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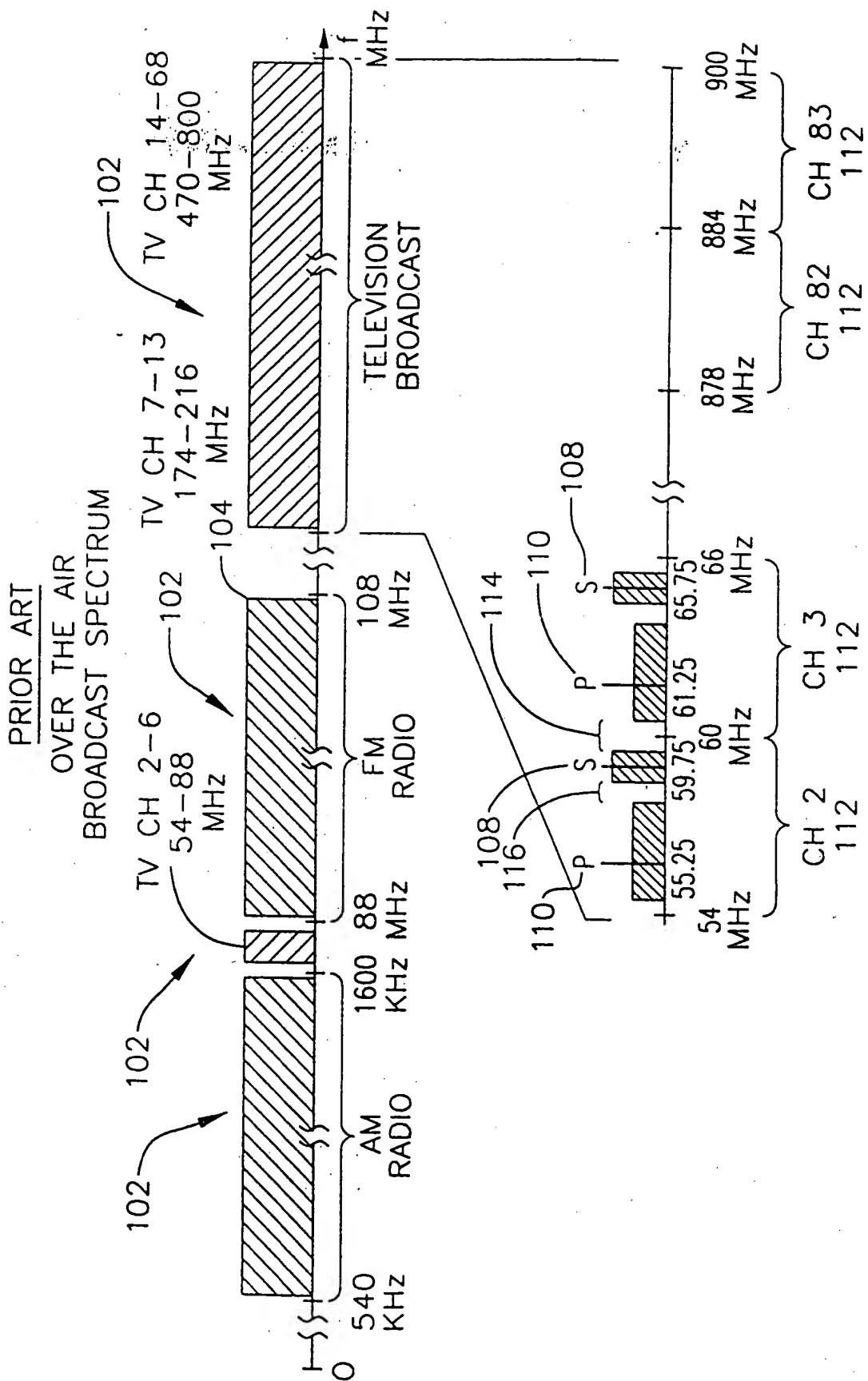
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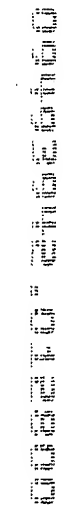
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FIG. 1



[illegible]

PRIOR ART

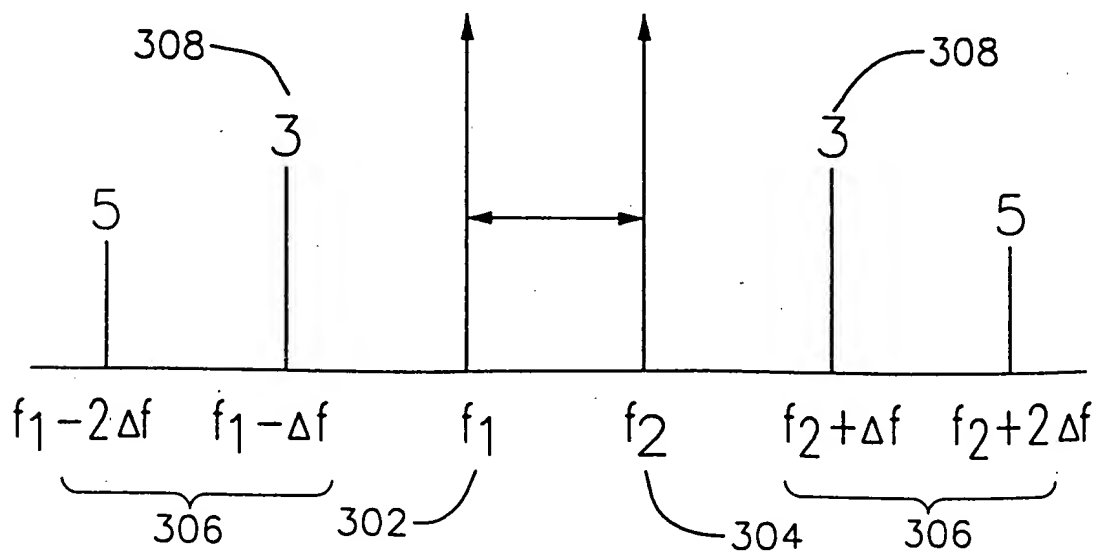


FIG. 4
PRIOR ART

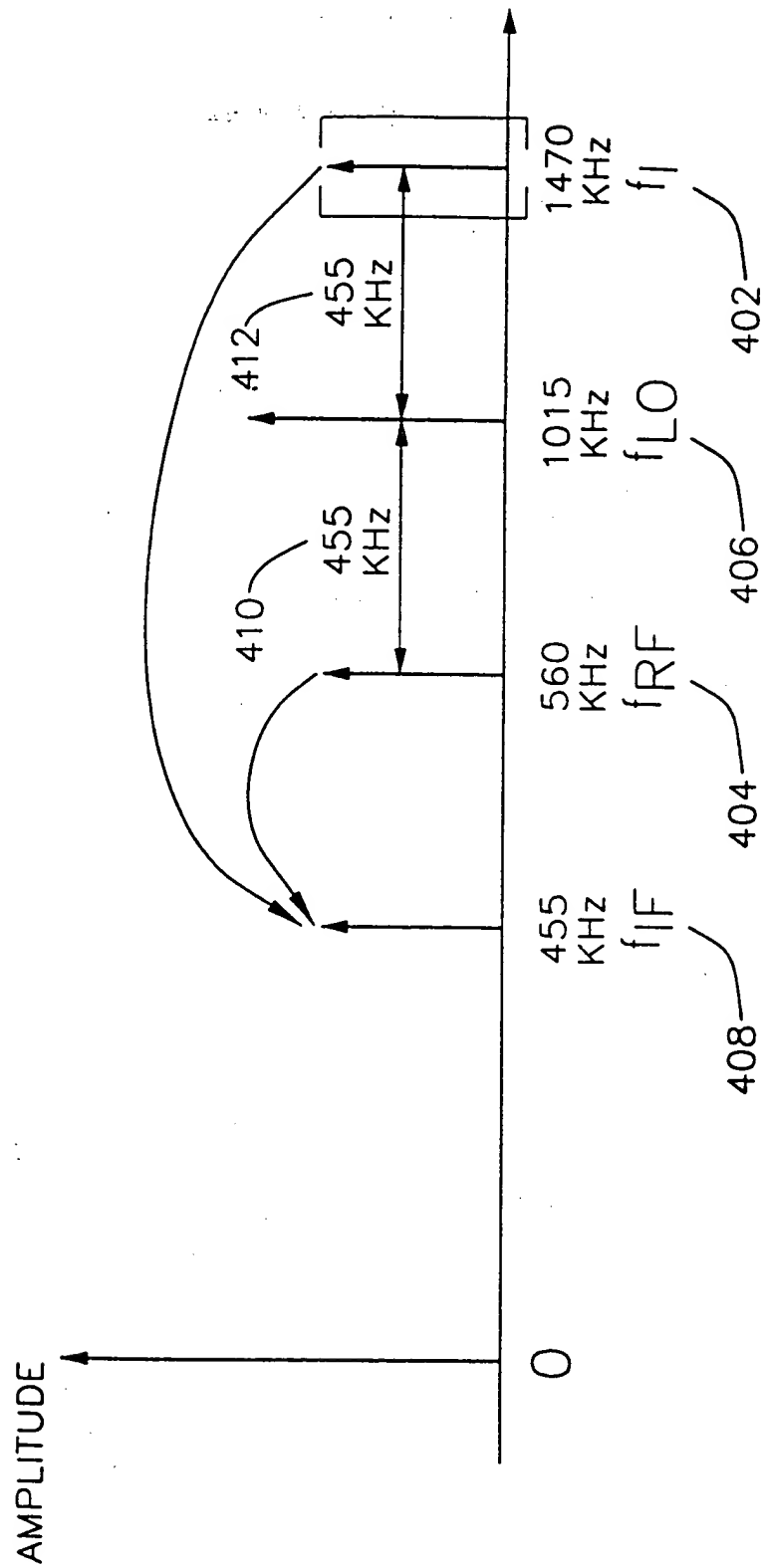


FIG. 6

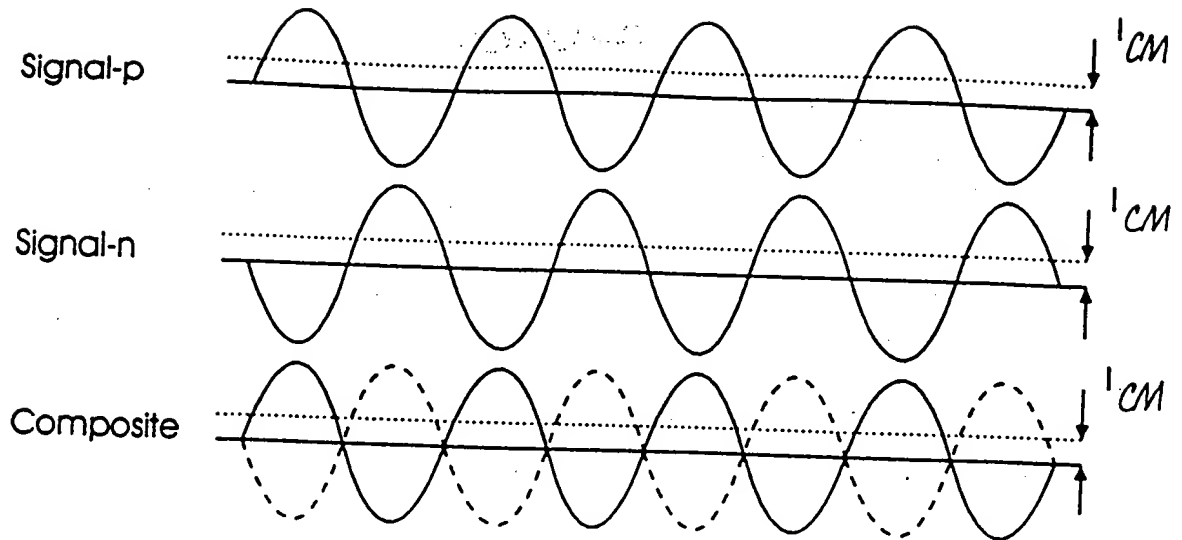


FIG. 7

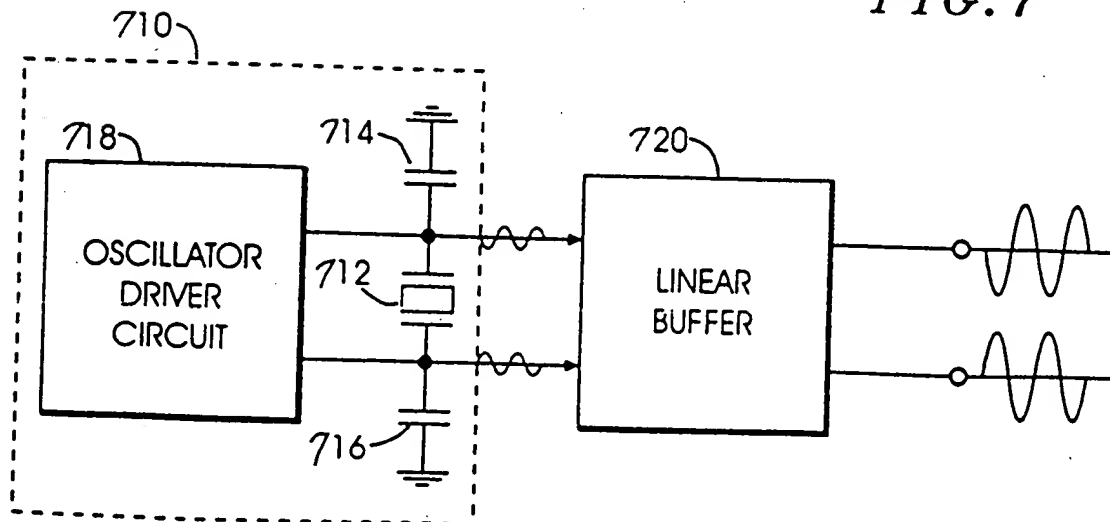


FIG. 8

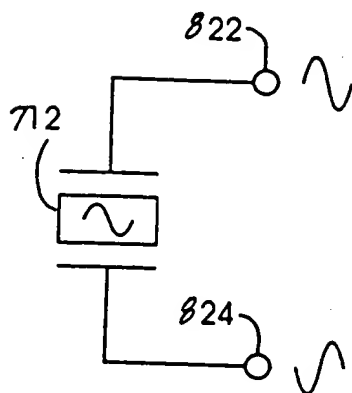


FIG. 9

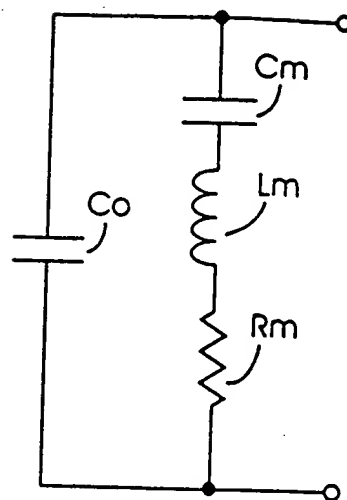


FIG. 10

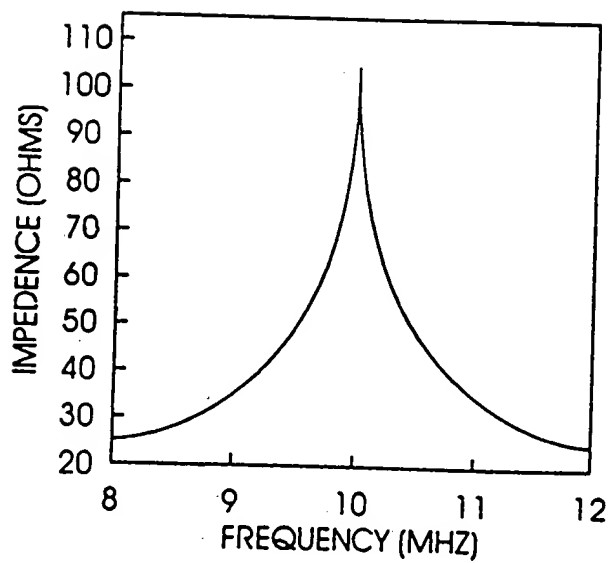


FIG. 11

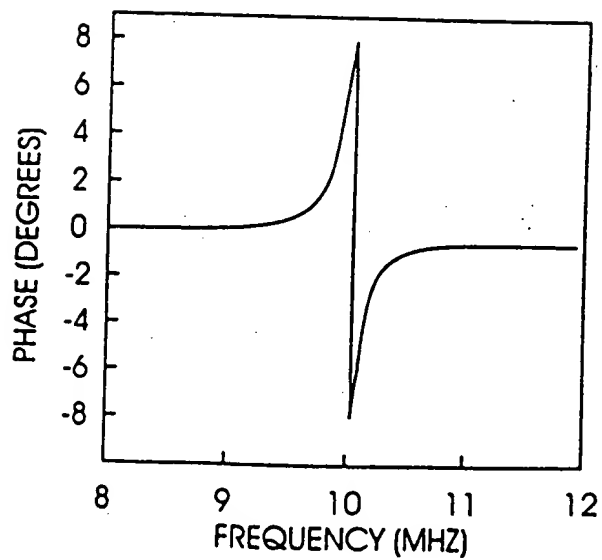


FIG. 12

FIG. 13

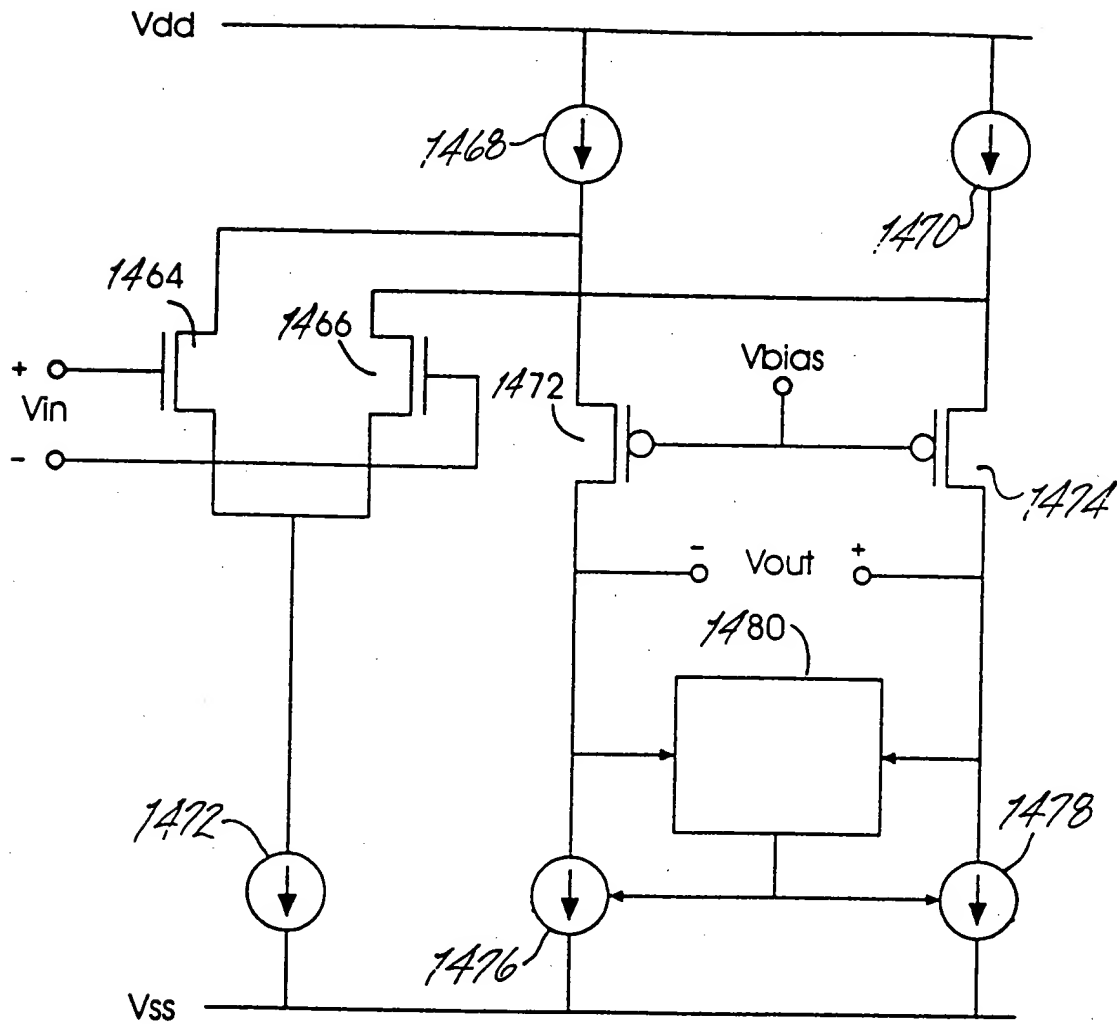
[illegible]

FIG. 17

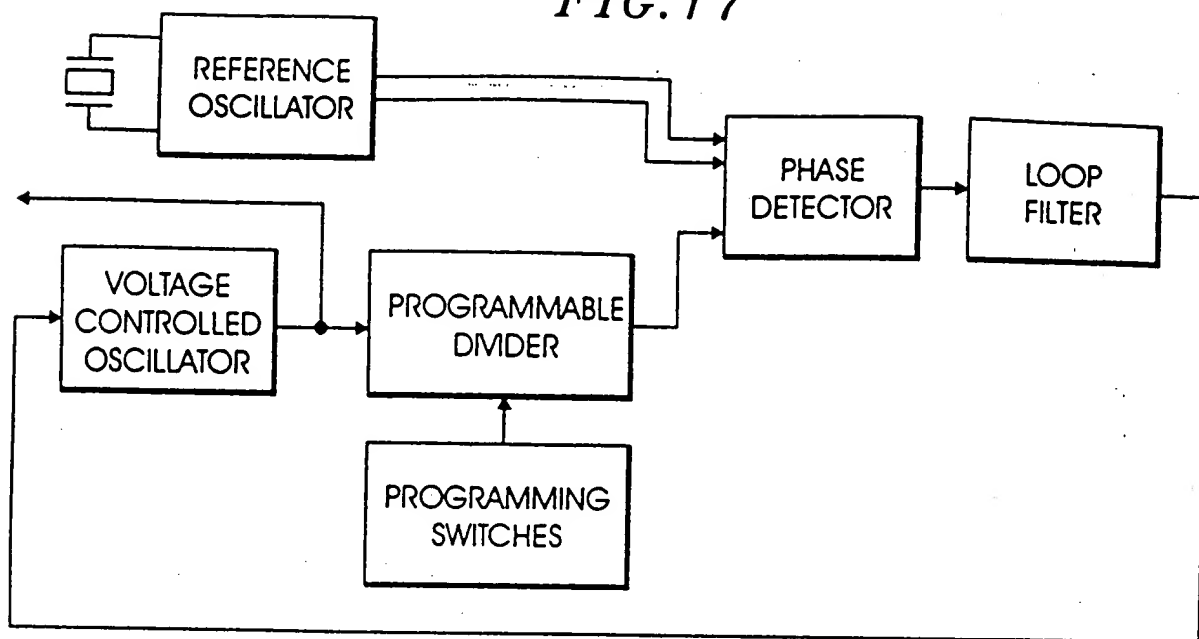


FIG. 18

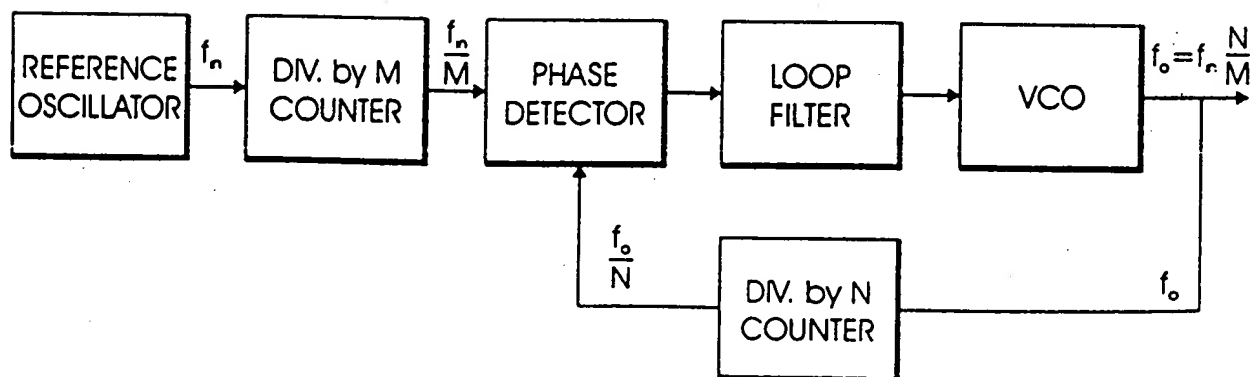


FIG. 20

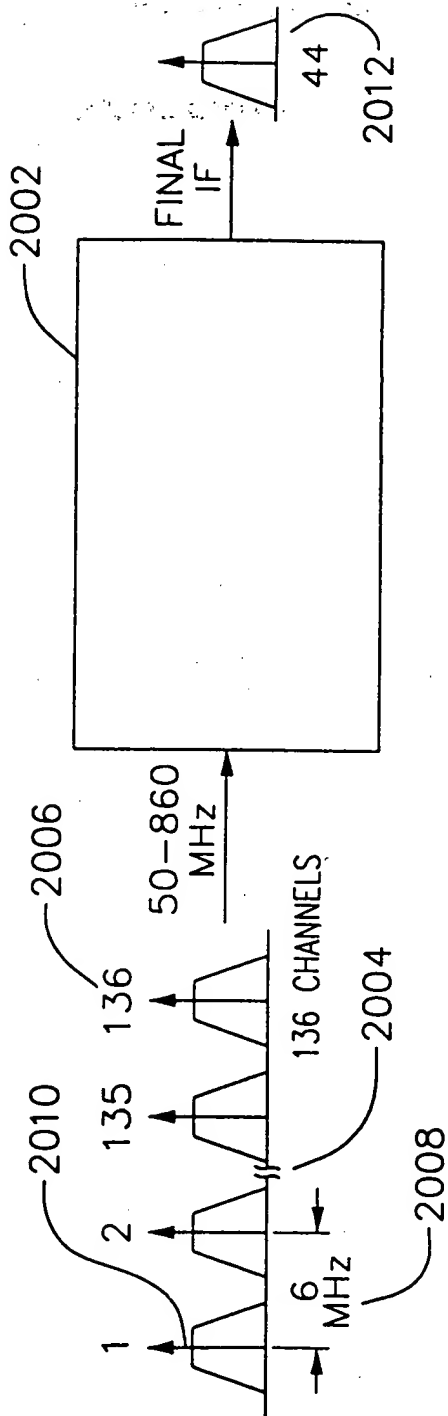


FIG. 22

PPL Xtal REFERENCE=10MHz
 LO-1, 10MHz FREQUENCY STEPS
 LO-2, 100kHz FREQUENCY STEPS

36MHz IF

TABLE OF FREQUENCIES BASED ON
 COARSE/FINE PLL SOLUTION:

NOTE

• LO-2 REF=100KHz,
 SO DIVIDE RANGE=9280 TO 9340

Frf (MHz)	50	58	66	74	82	90	98	106	114	122	130	138	146	154	"	852	860
LO-1(MHz)	1250	1260	1270	1270	1280	1290	1300	1310	1310	1320	1330	1340	1350	1350	"	2050	2060
IF-1 (MHz)	1200	1202	1204	1196	1198	1200	1202	1204	1196	1198	1200	1202	1204	1196	"	1198	1200
LO-2(MHz)	931.2	932.8	934.4	928.0	930	931	933	934	928.0	930	931	933	934	928.0	"	929.60	931.2
IF-2(MHz)	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	"	268.4	268.8
LO-3(MHz)	232.8	233.2	233.6	232	232	233	233	234	232	232	233	233	234	232.0	"	232.4	232.8
IF-3(MHz)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	"	36.0	36.0

FIG.23

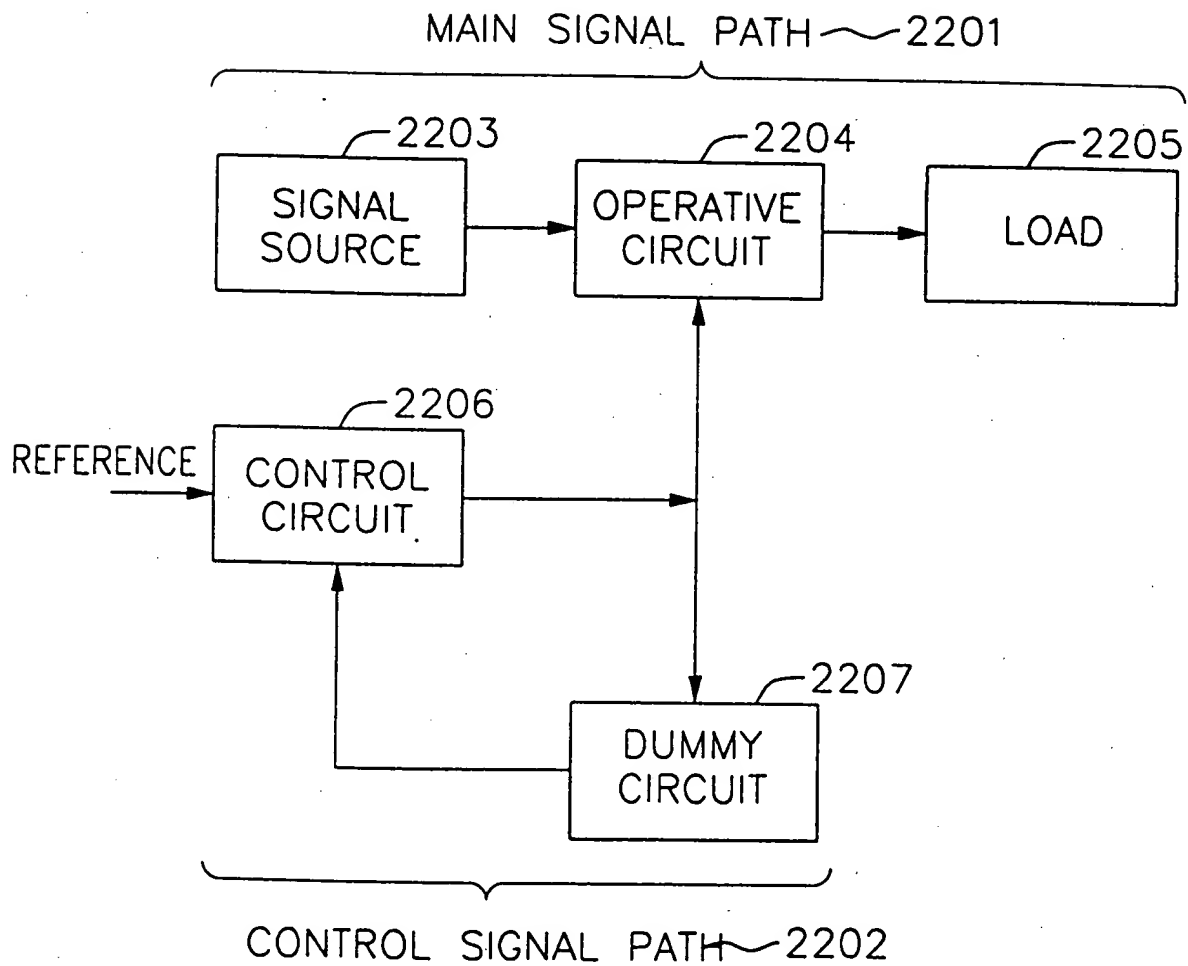


FIG. 24a

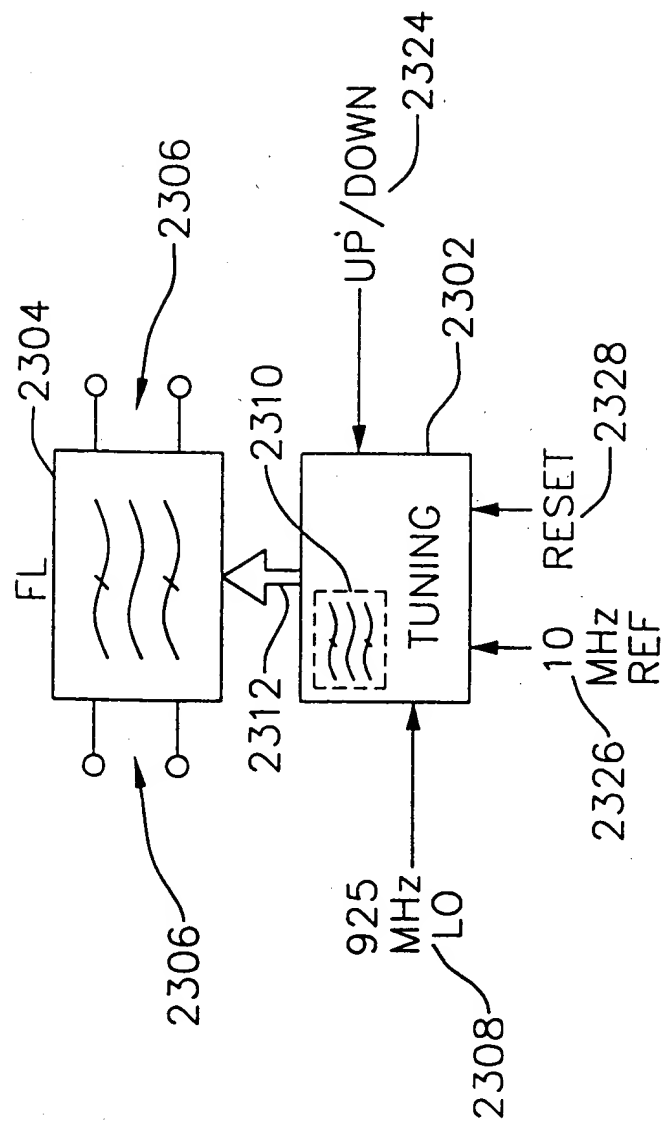


FIG. 24b

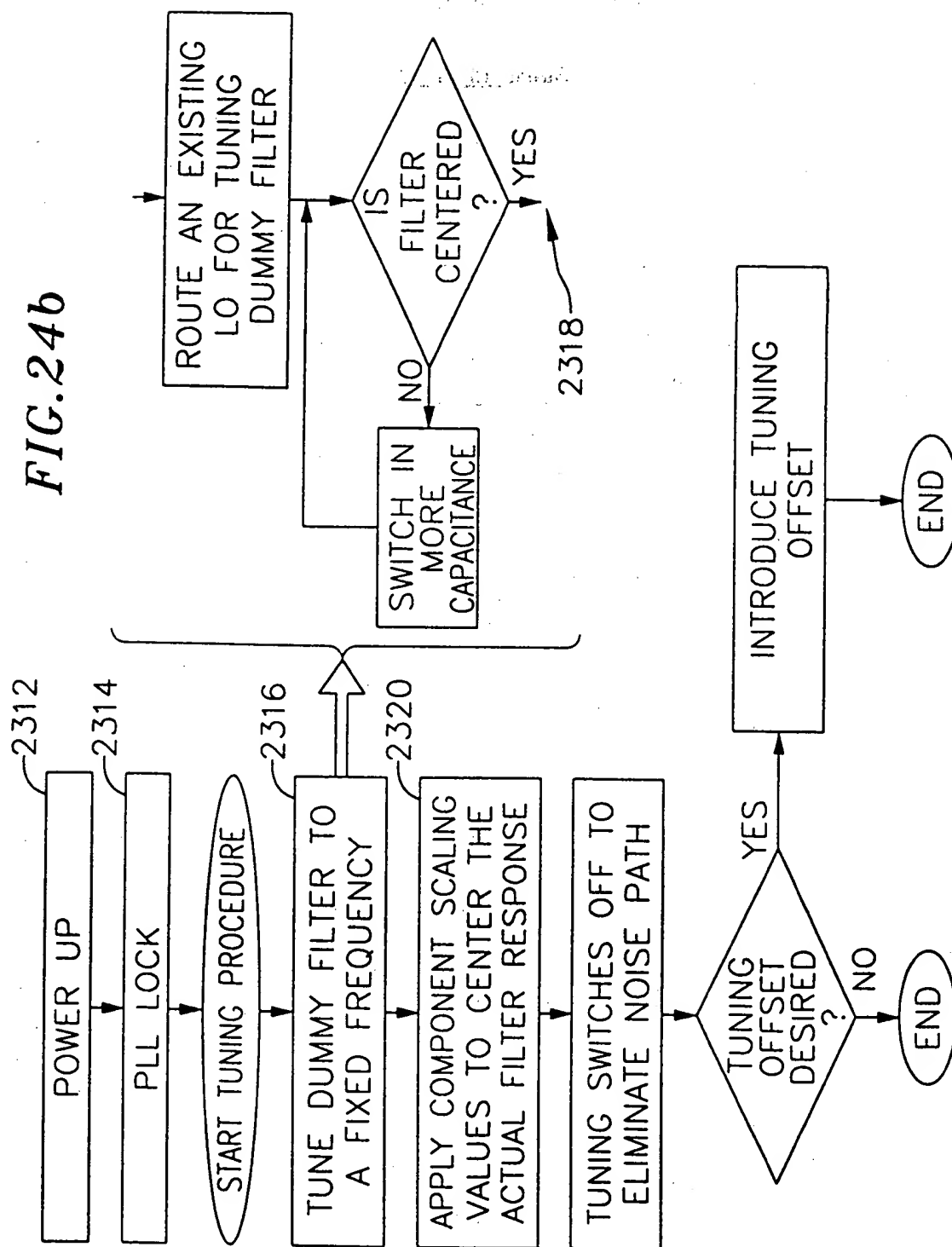


FIG. 24c

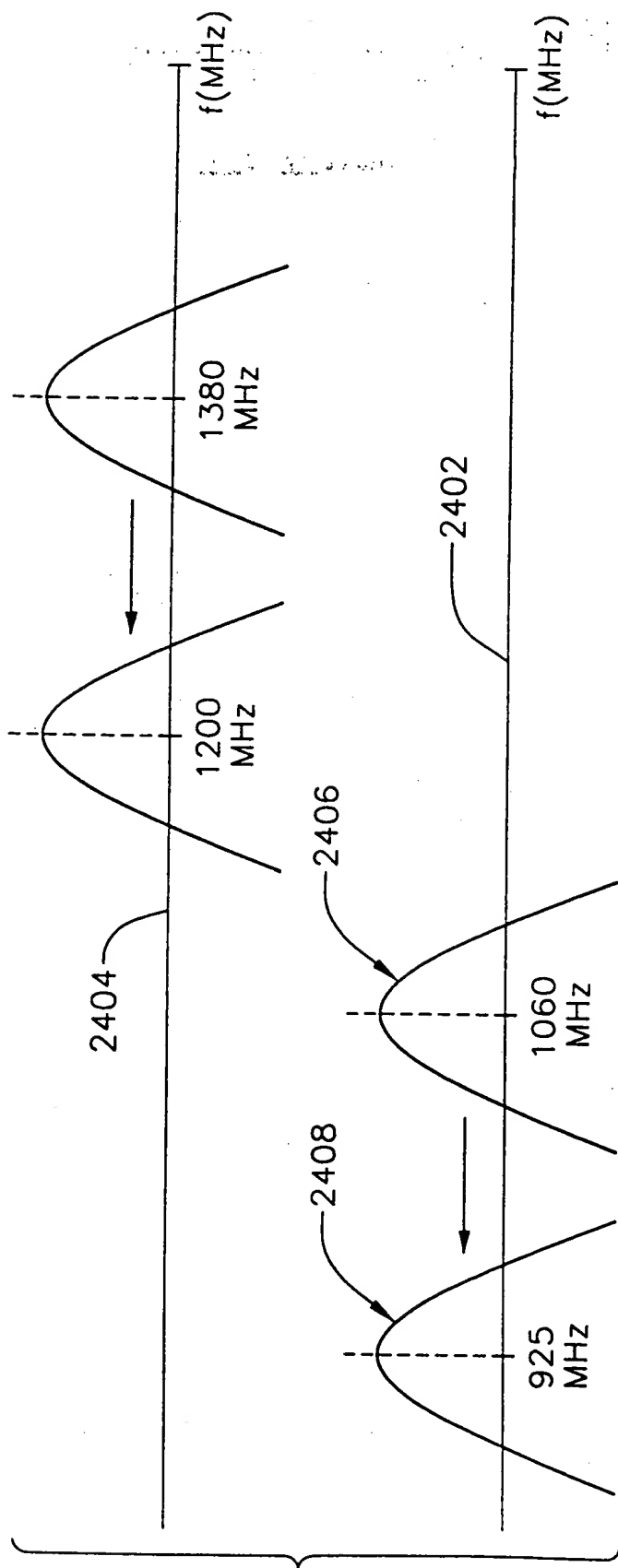


FIG. 26

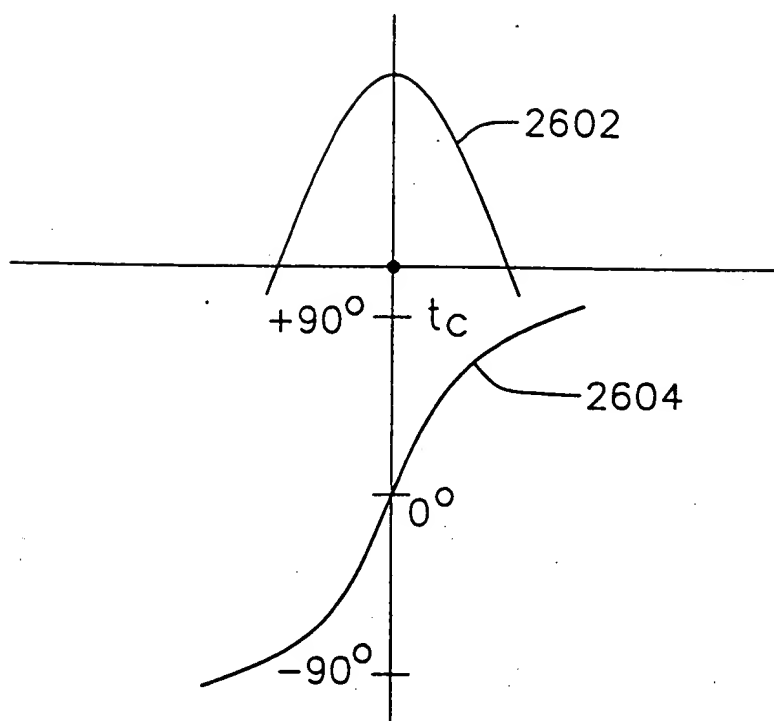


FIG. 27

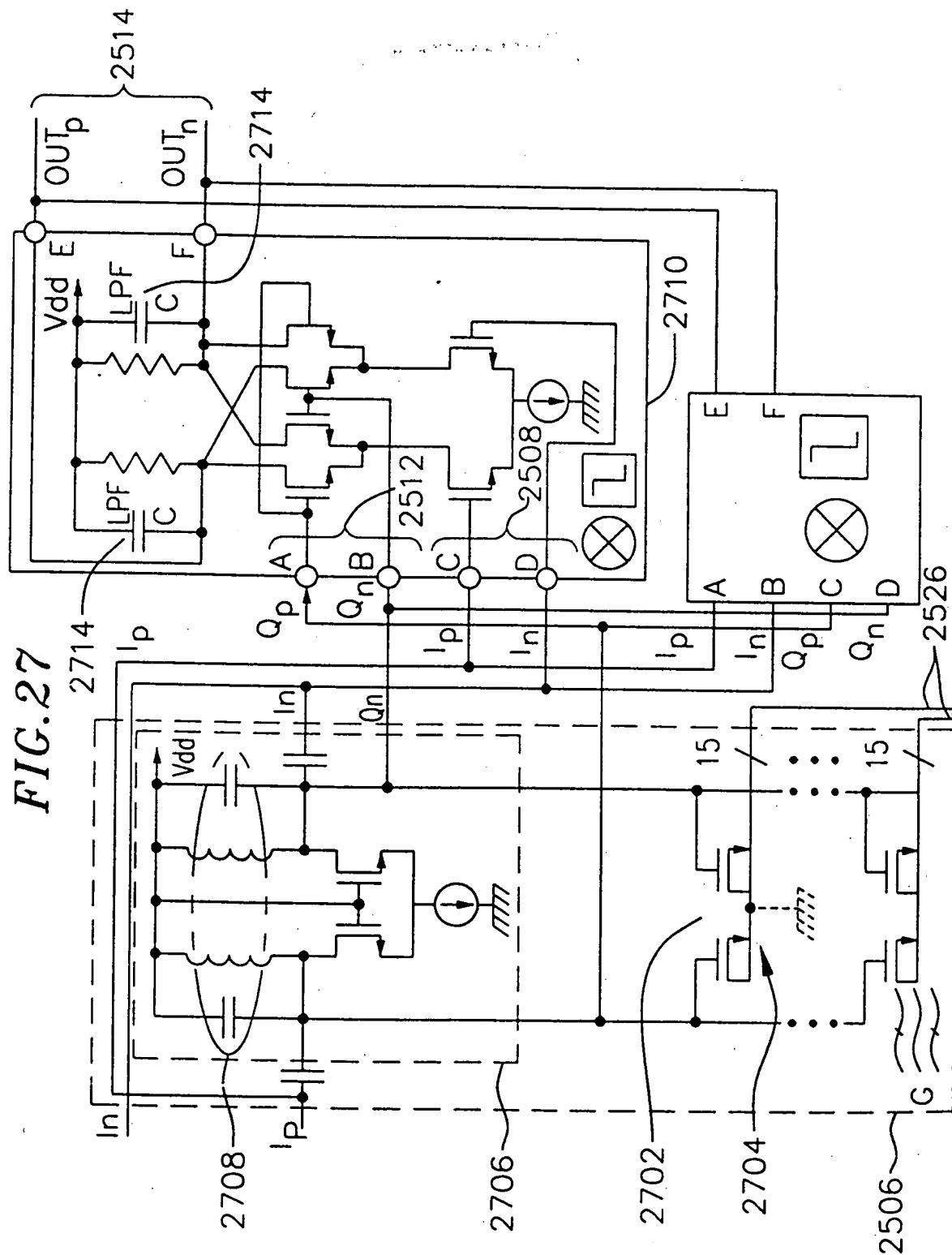
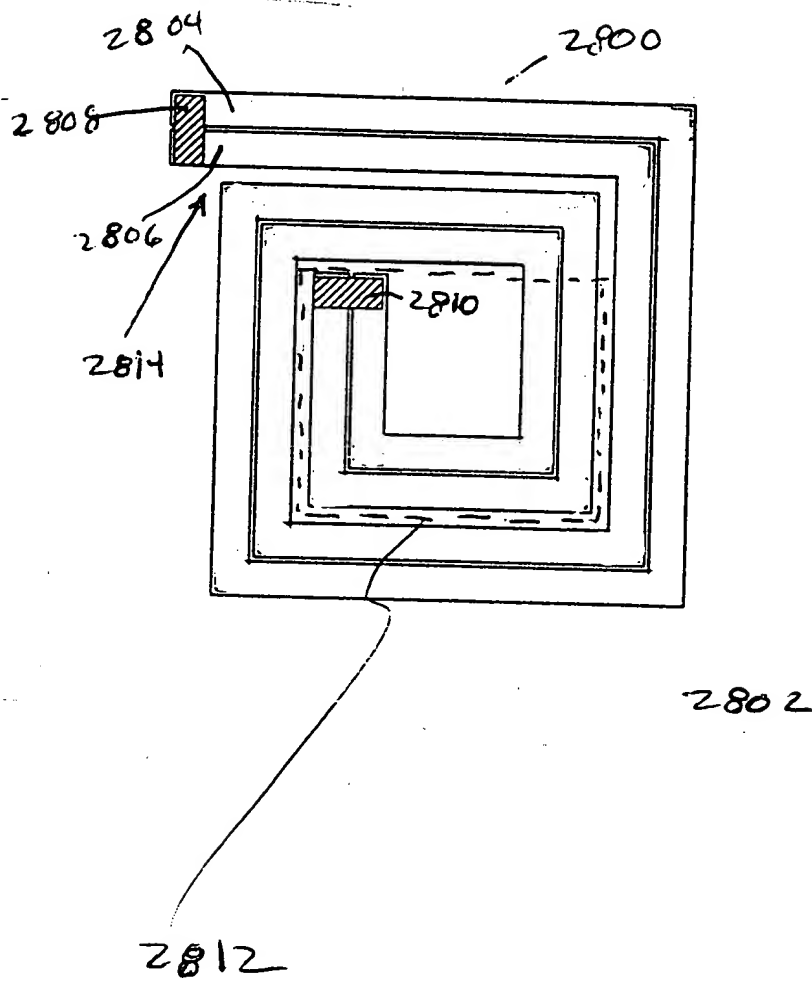


FIG.28a



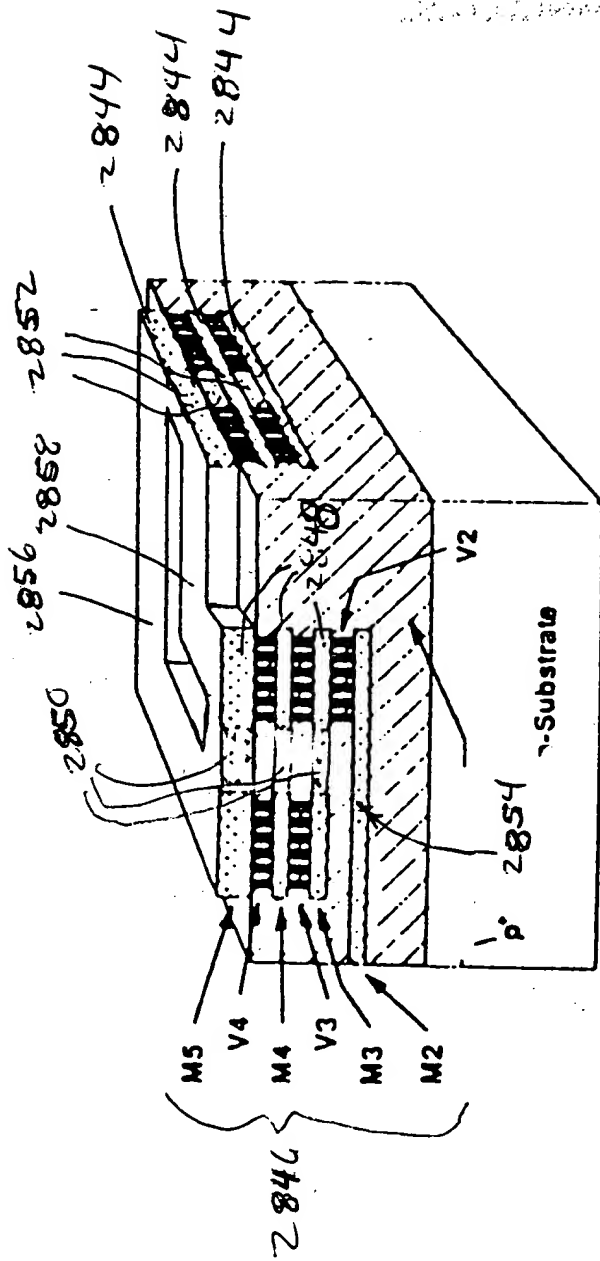


FIG 28d

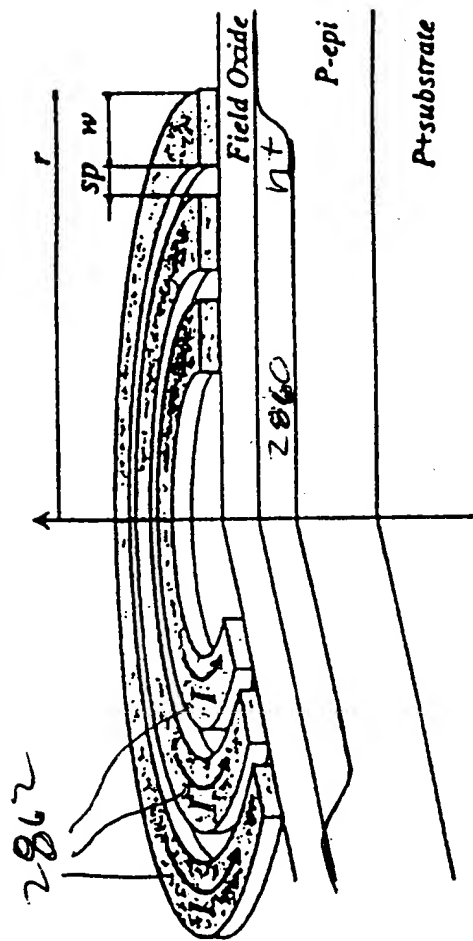


Fig 28e

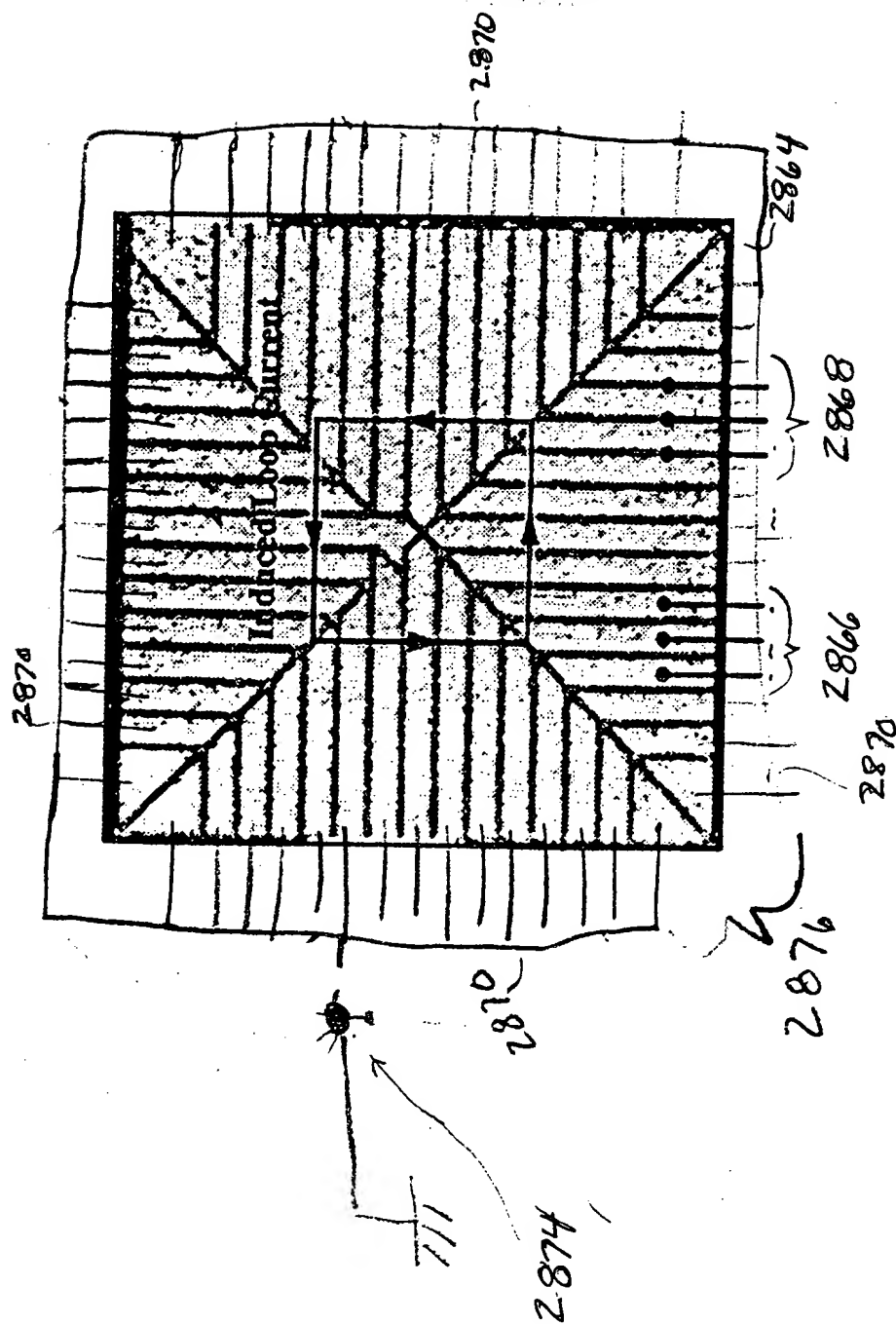


FIG 28

FIG.29

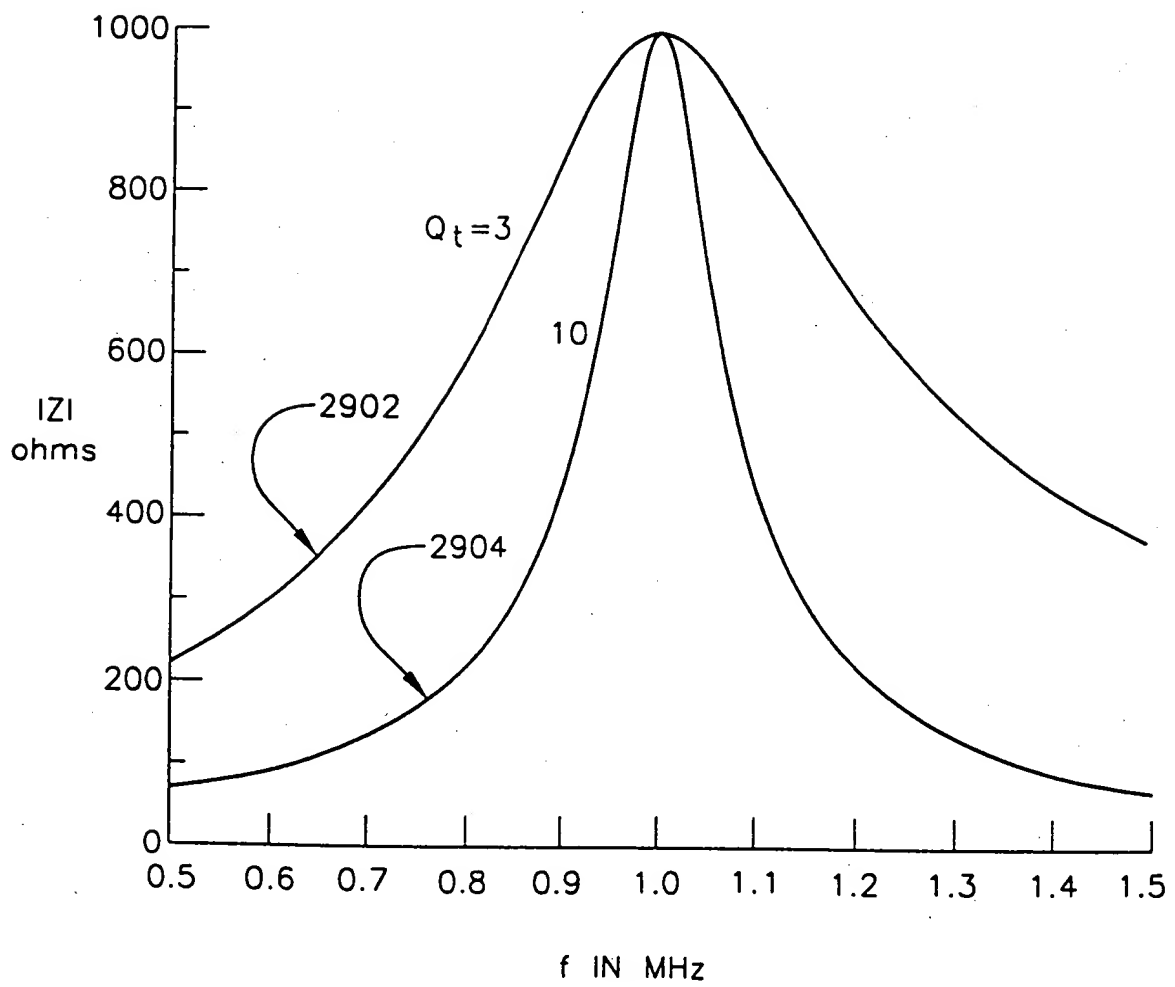


FIG.30

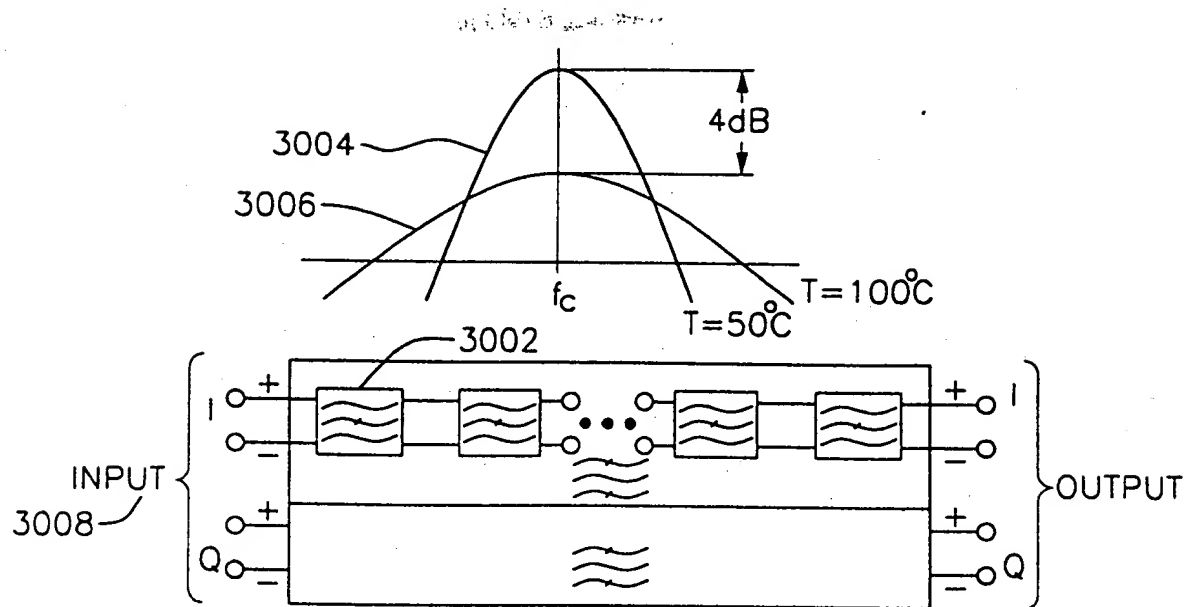


FIG.31

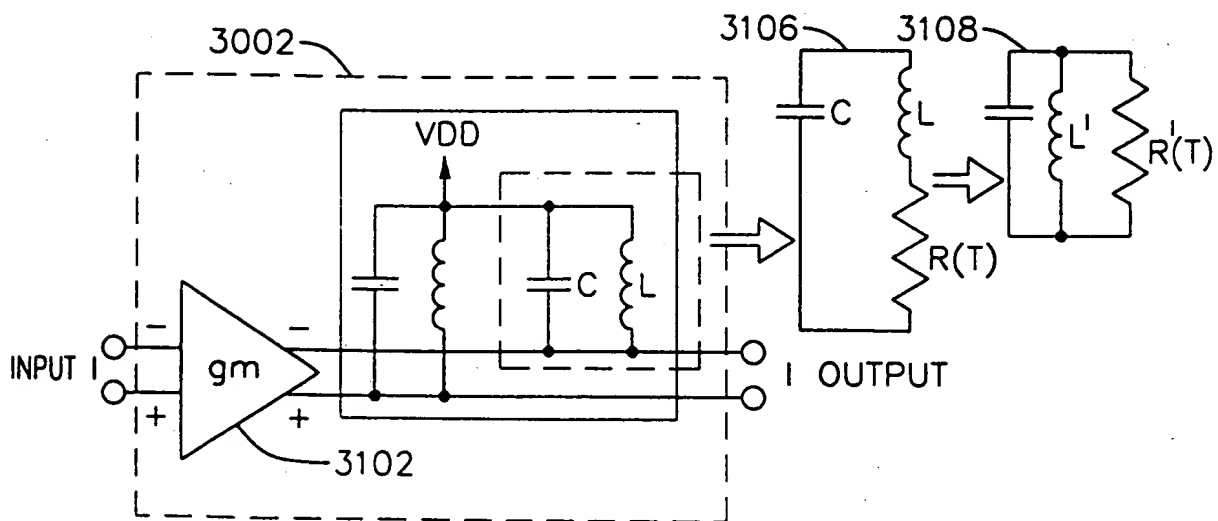


FIG. 32

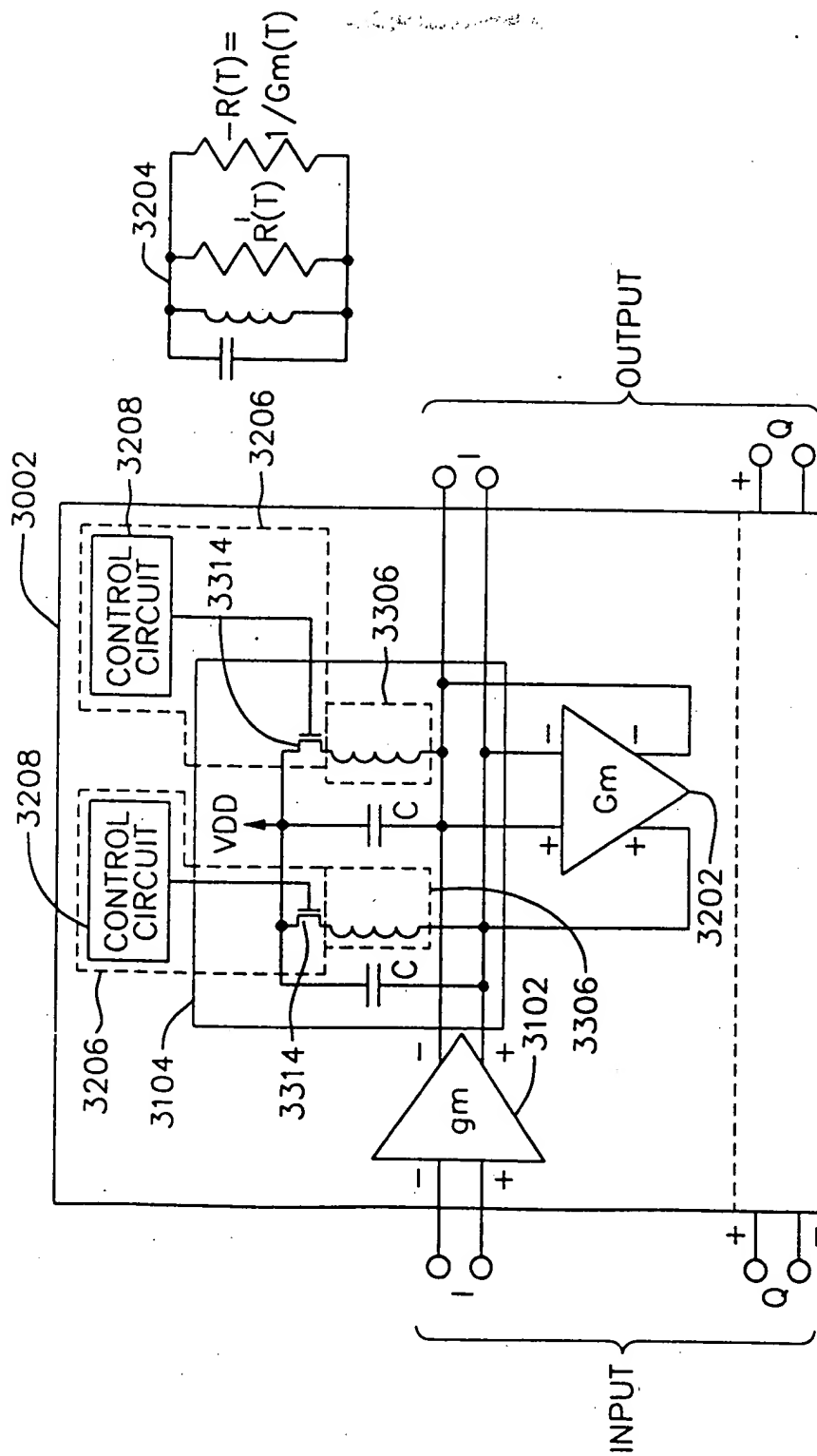
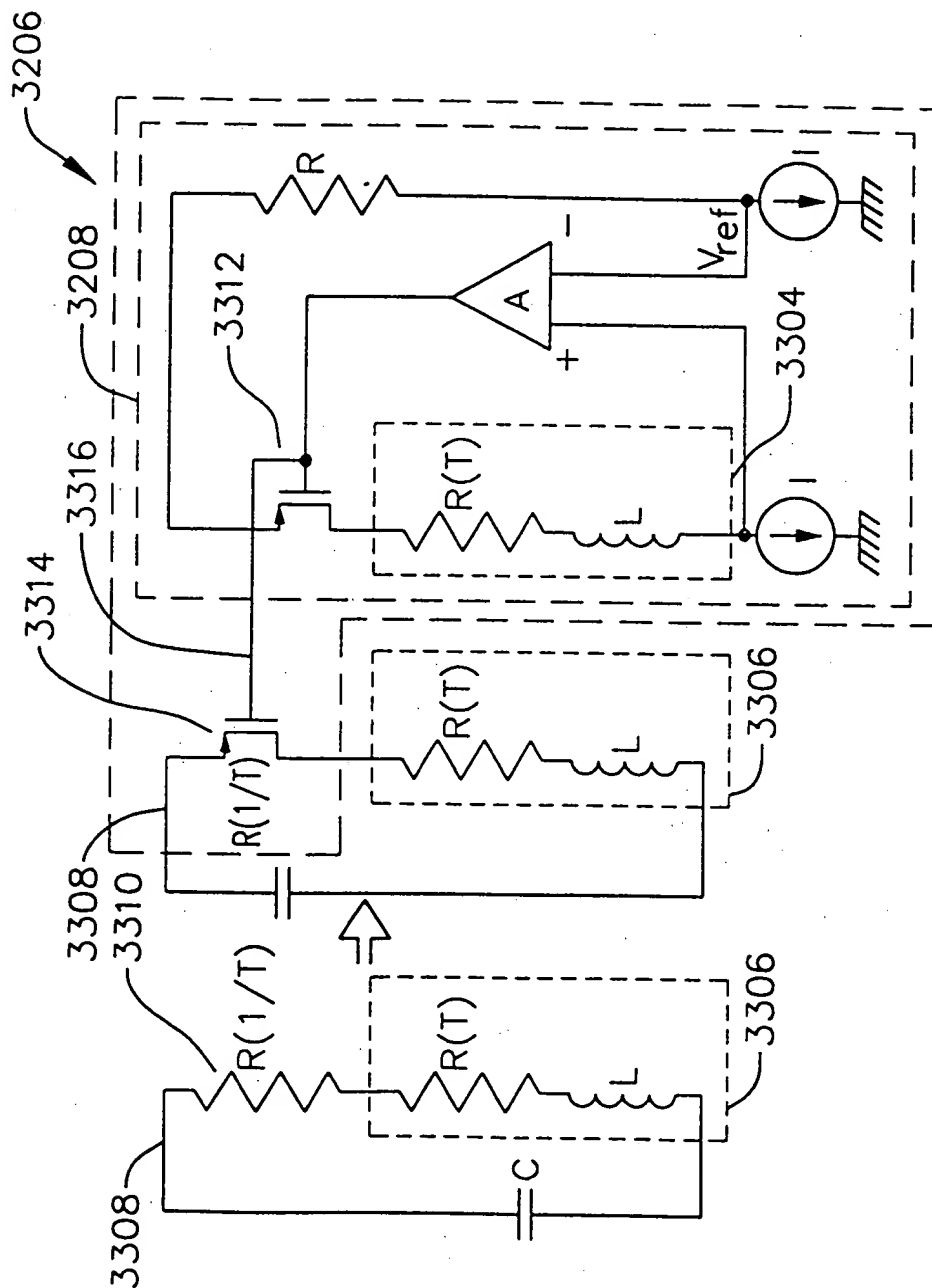


FIG. 33



00000-2466100

FIG.34

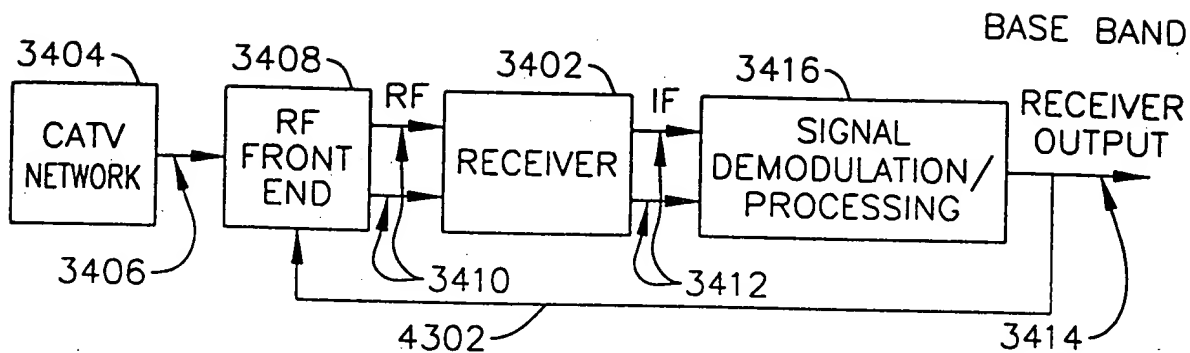


FIG.35

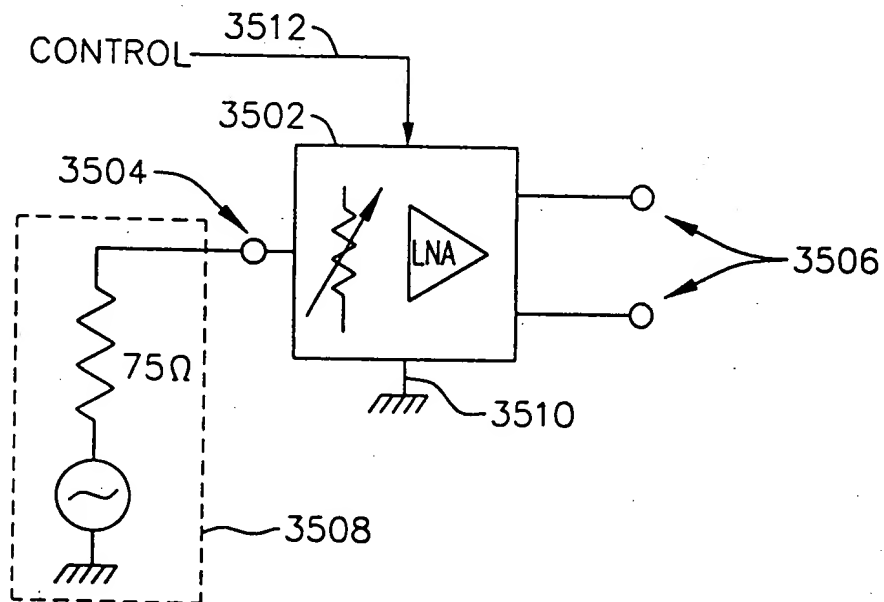


FIG. 36

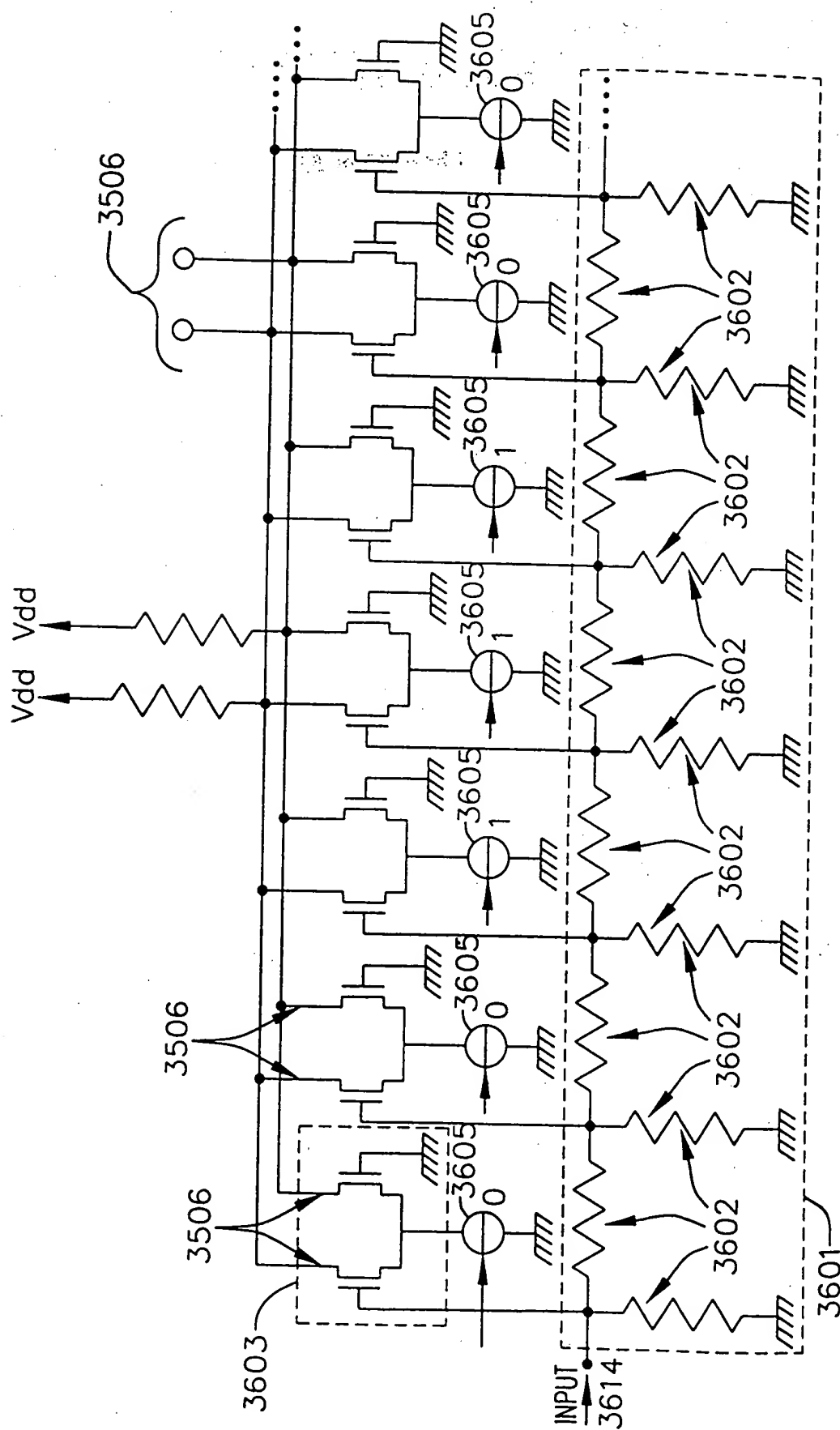


FIG. 37

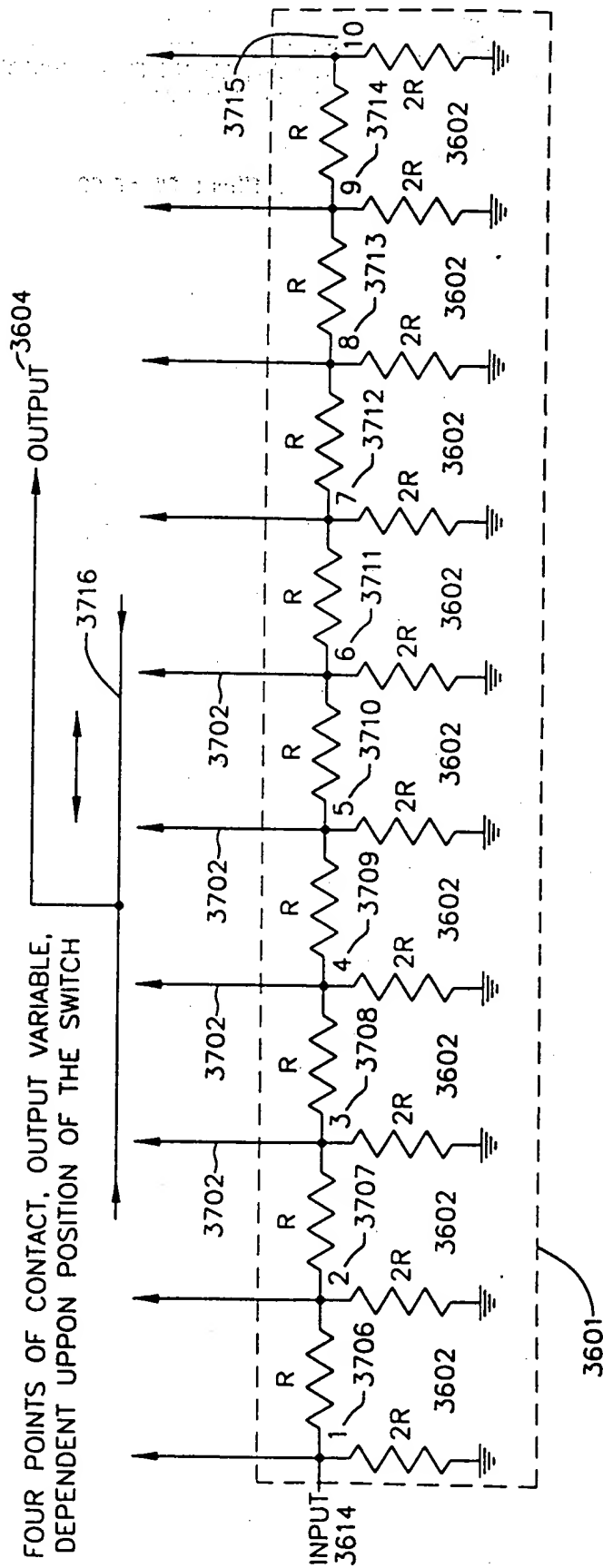


FIG.38

PGA SETTINGS

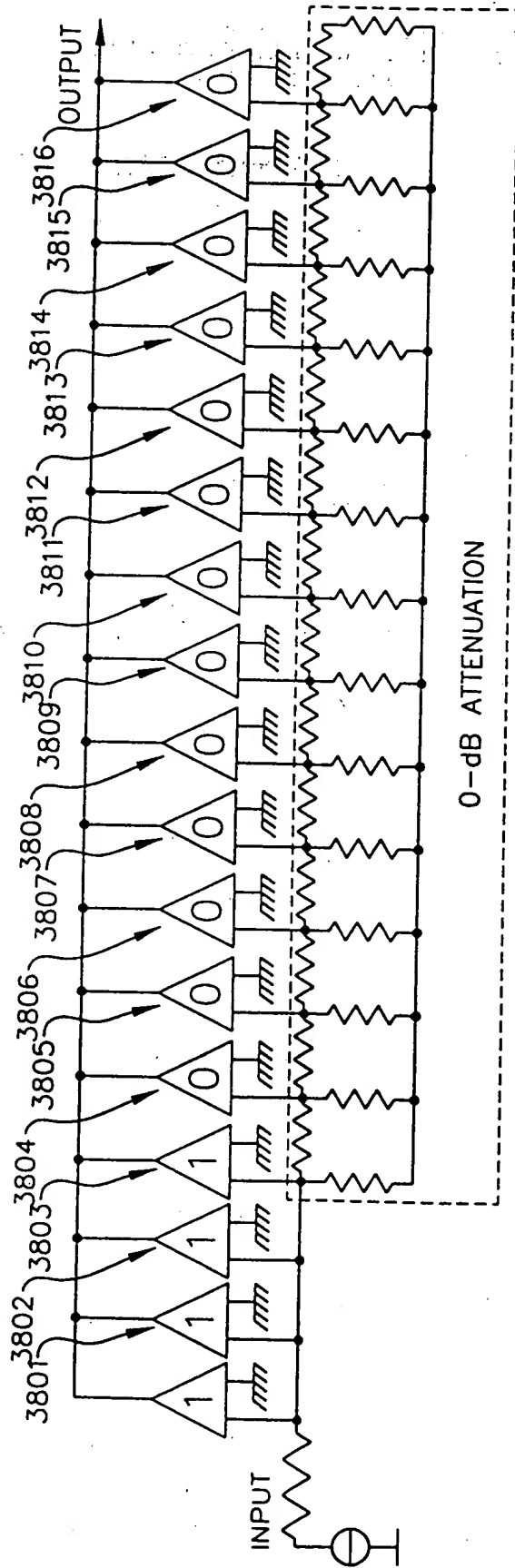


FIG.39

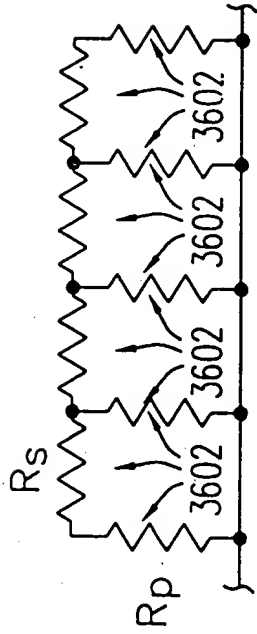


FIG.40

PGA ARCHITECTURE

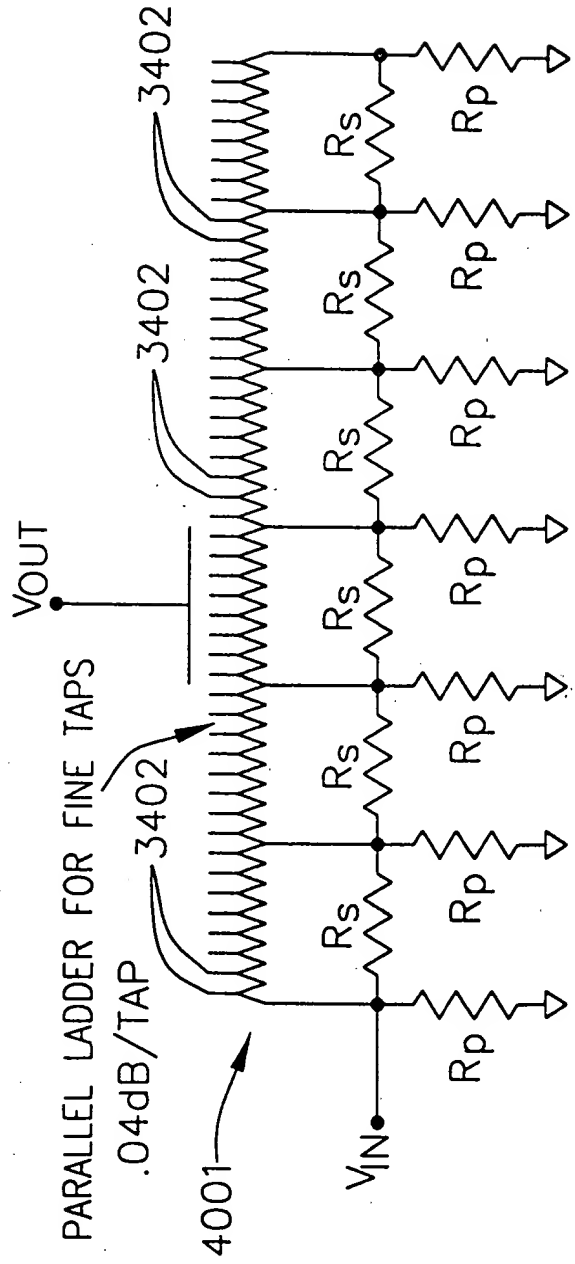


FIG. 41

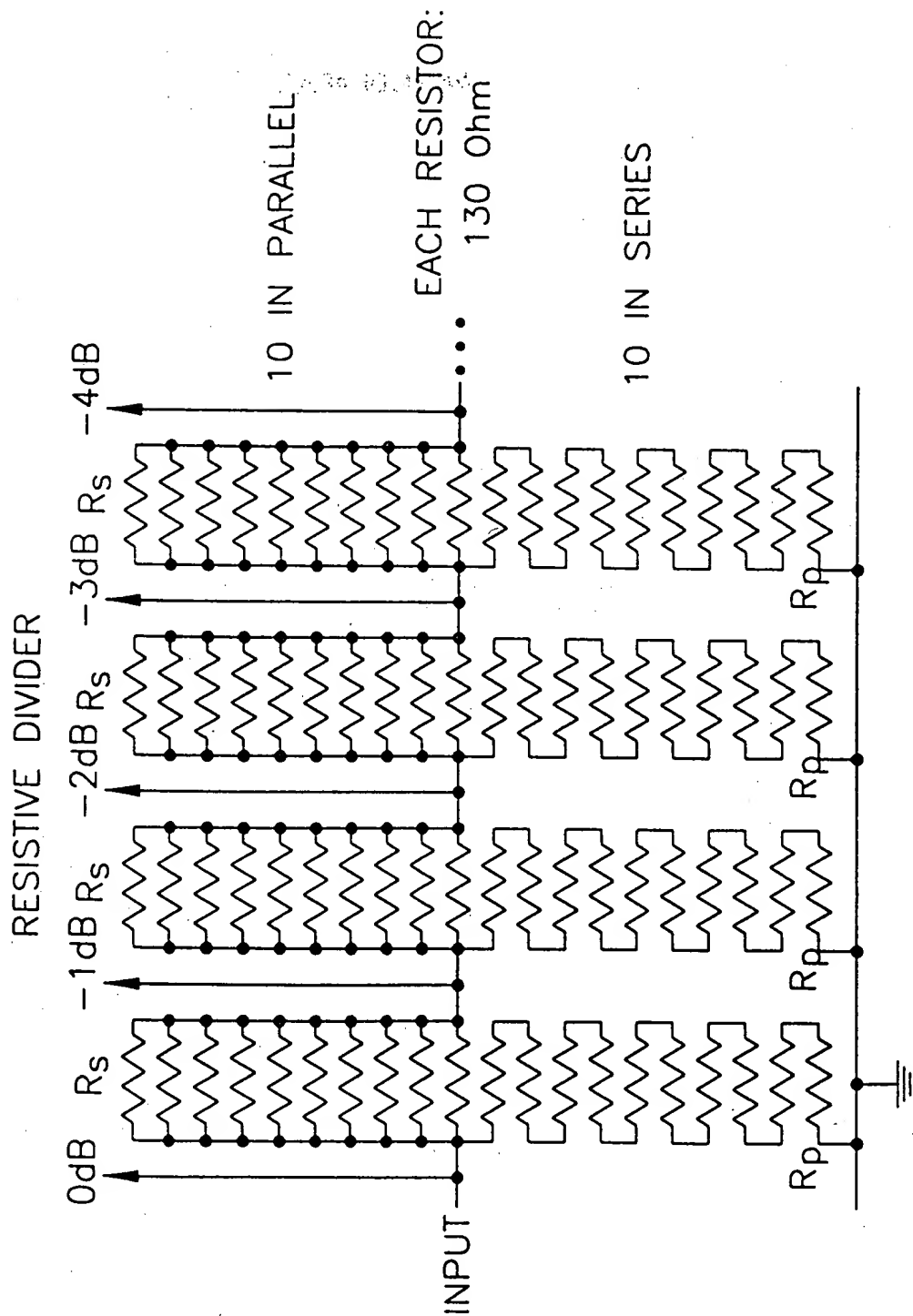


FIG. 42

NON-MONOTONICITY

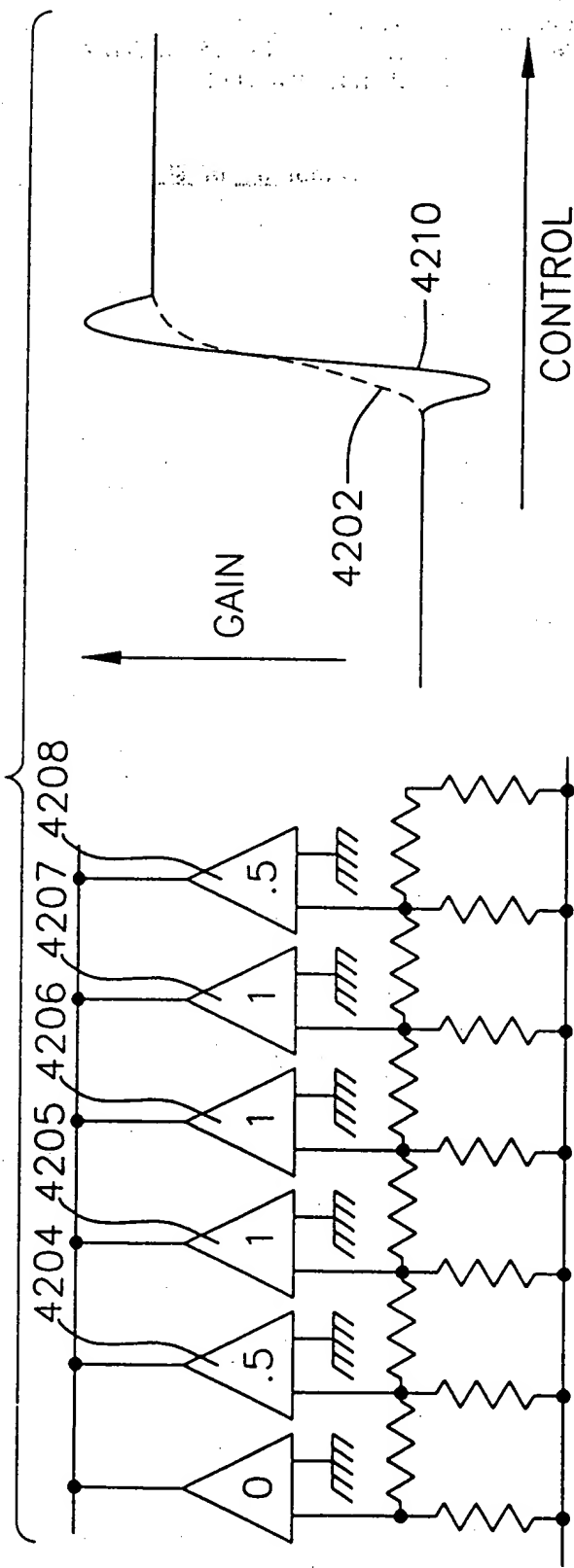


FIG. 43
CLAMPING CONTROL RANGE

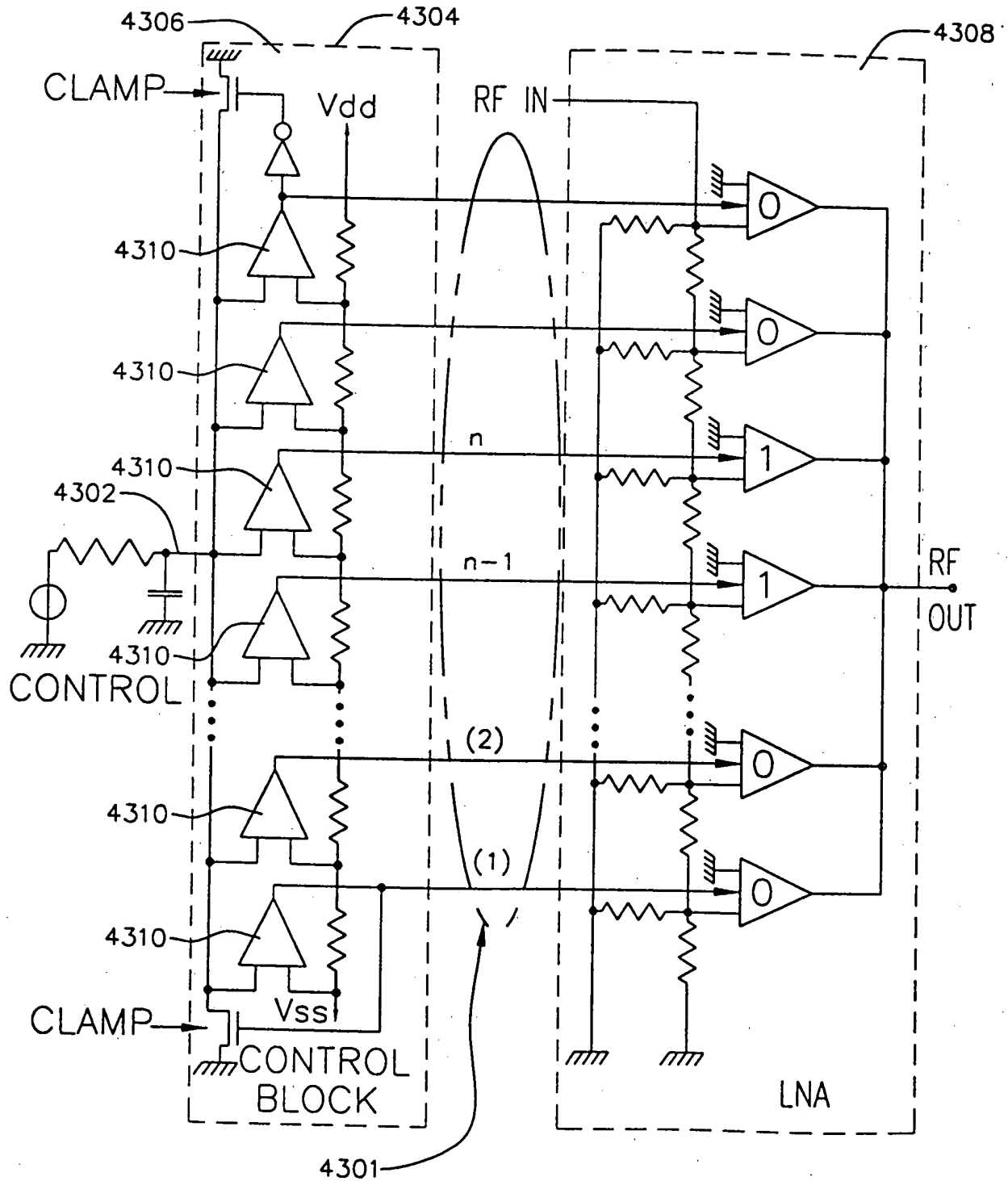


FIG. 44a
CONTROLLED GAIN COMPARATOR

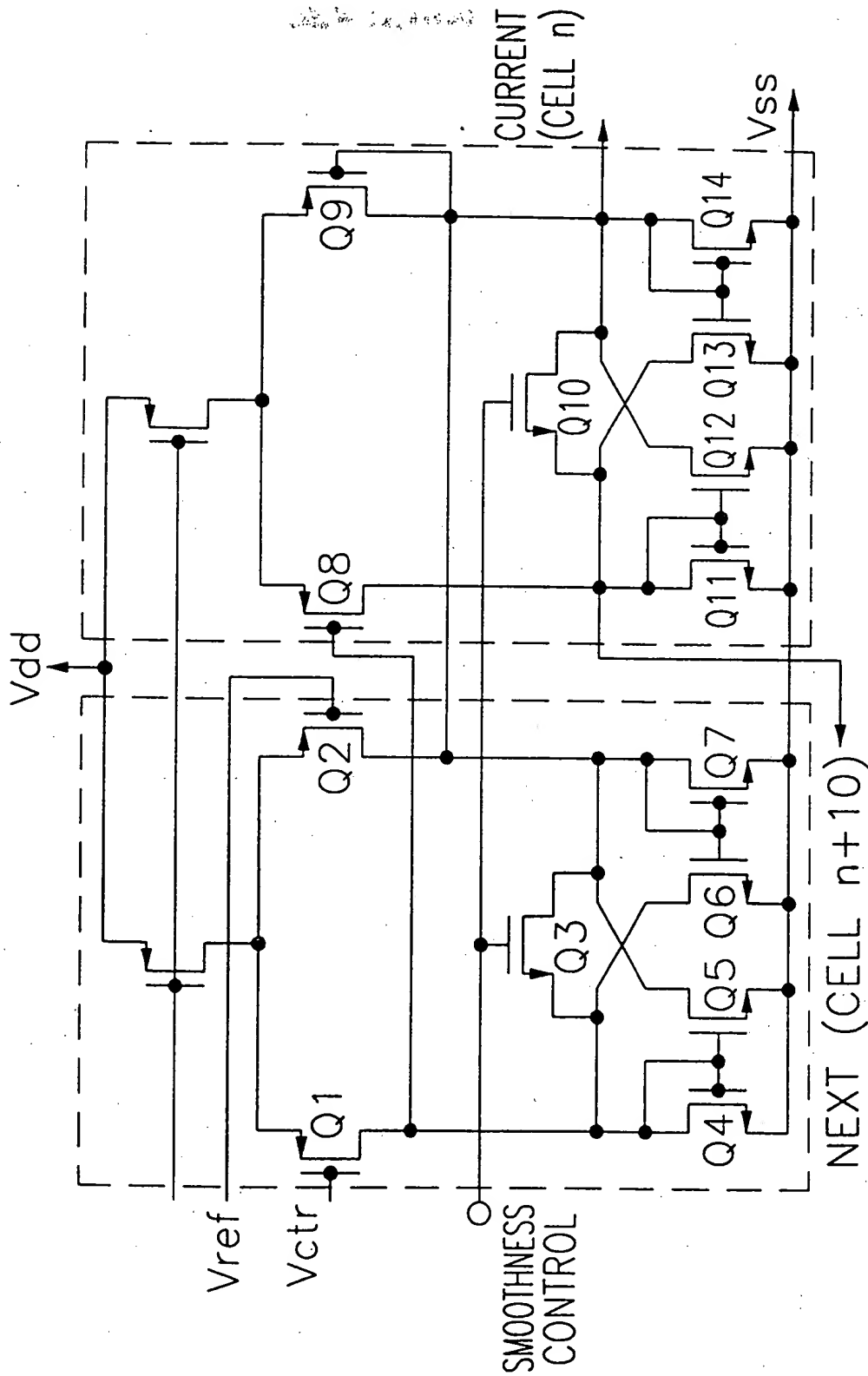


FIG. 46

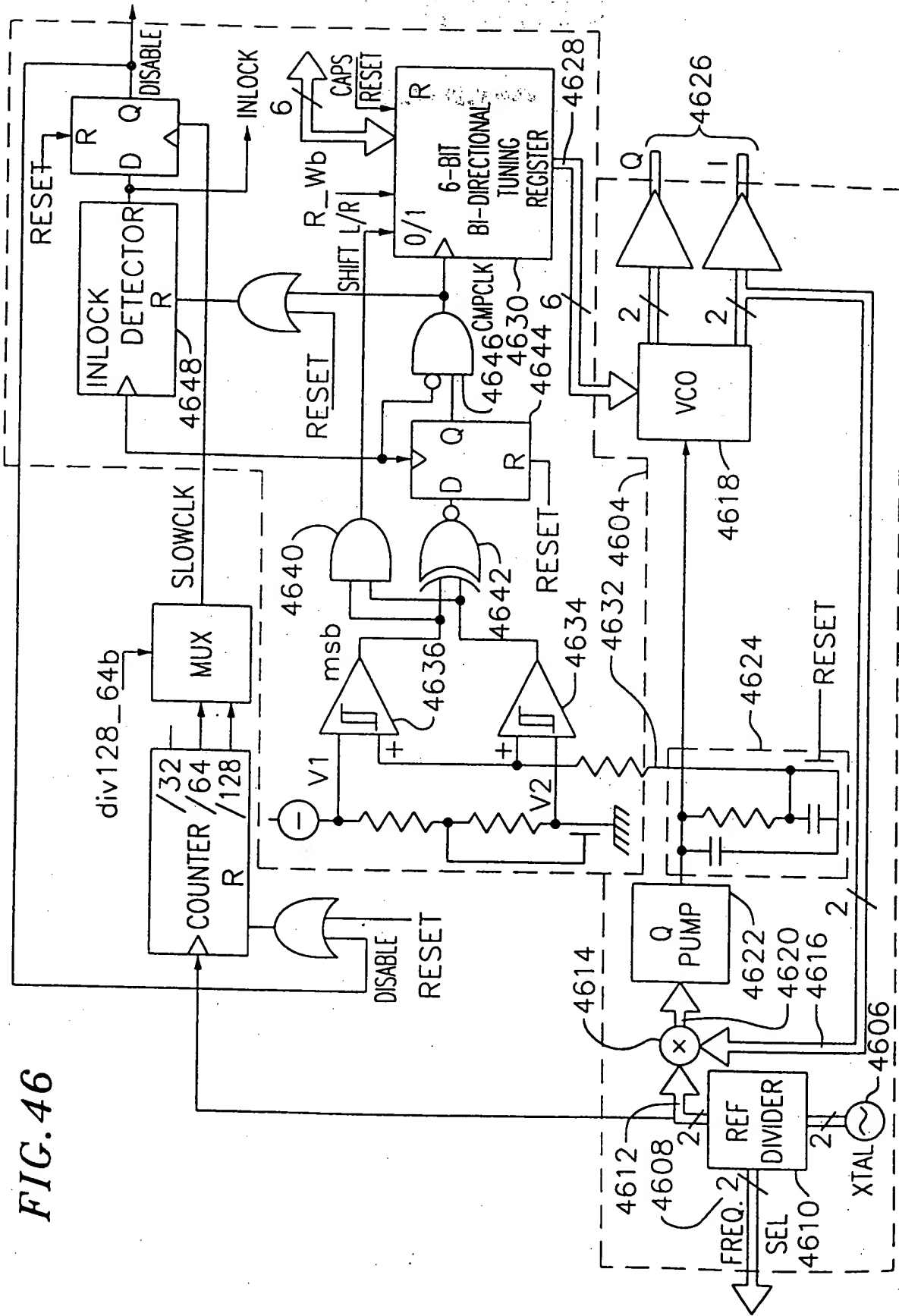


FIG. 47

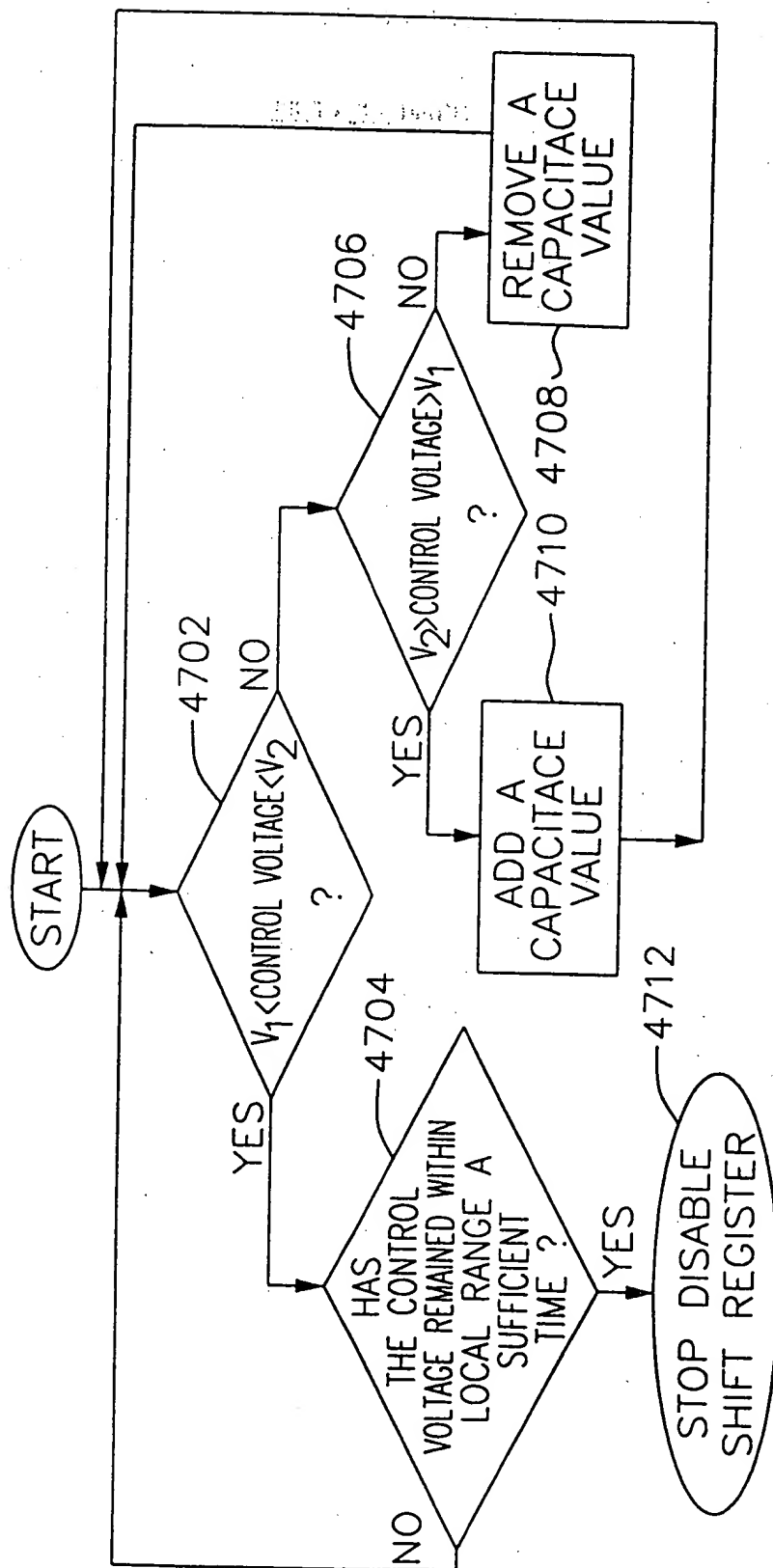


FIG. 48

EXTERNAL 36 OR 44MHz FILTER OPTION
E.G. SIEMENS X6964 ($f_c = 43.75\text{MHz}$)

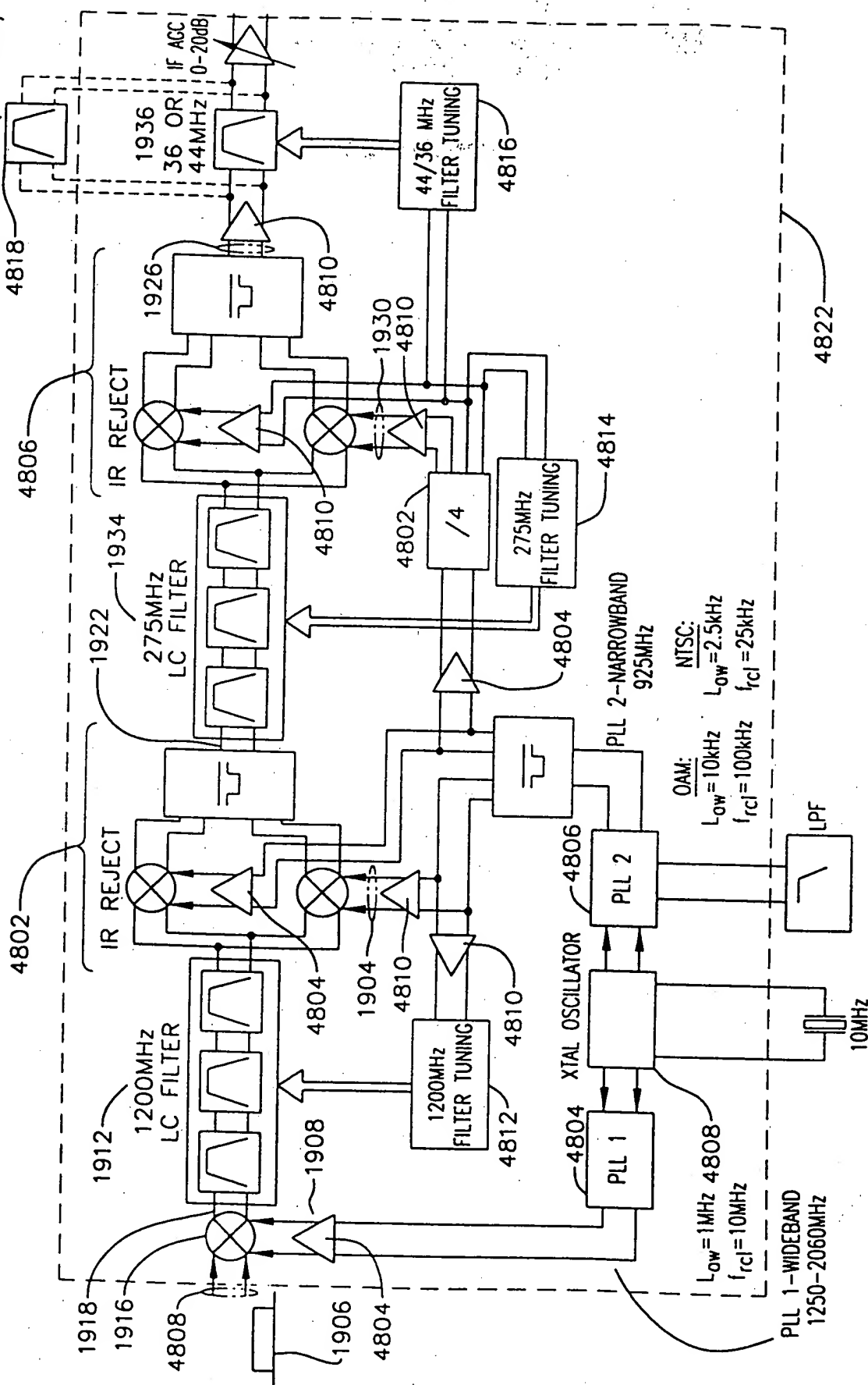


FIG. 49

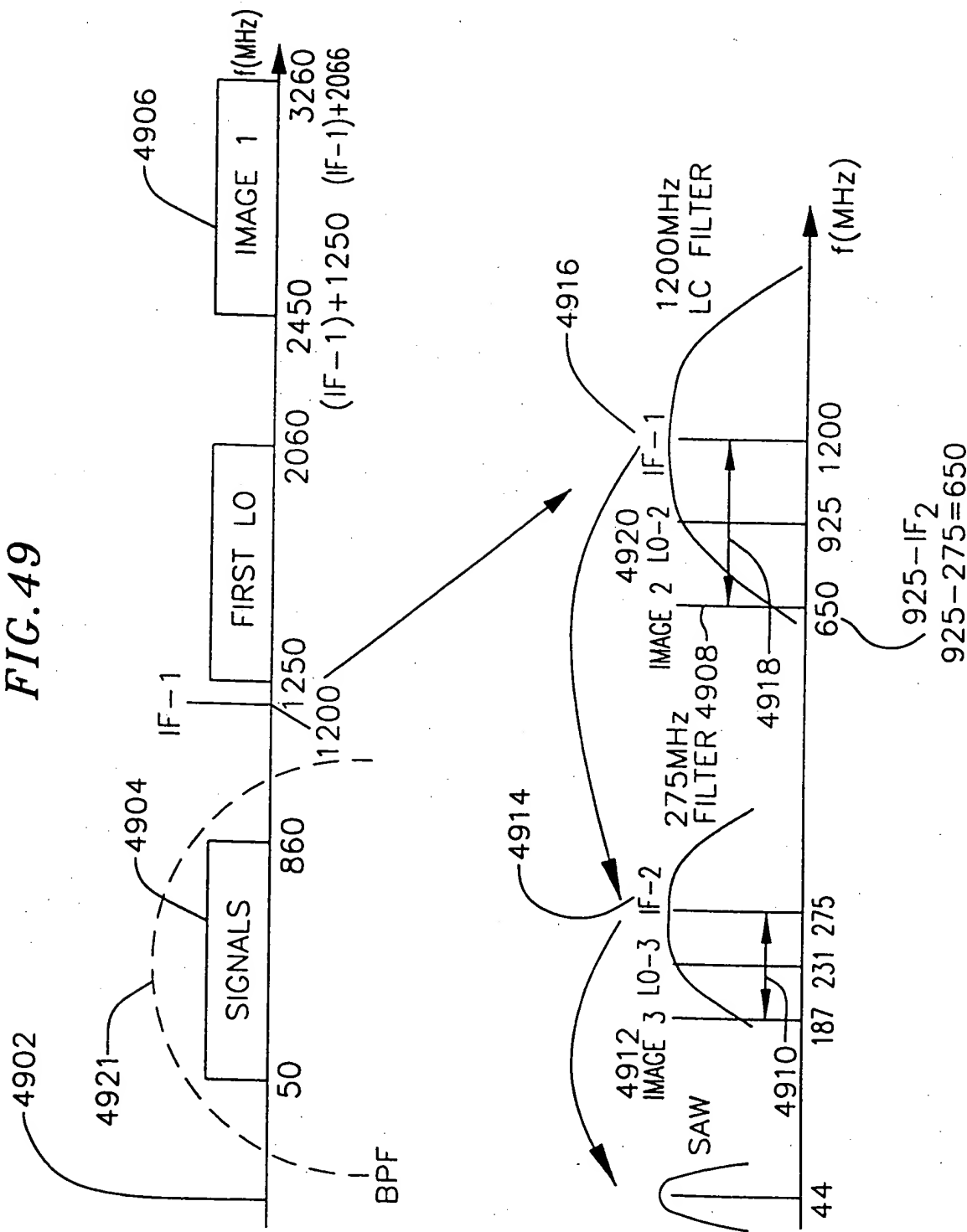
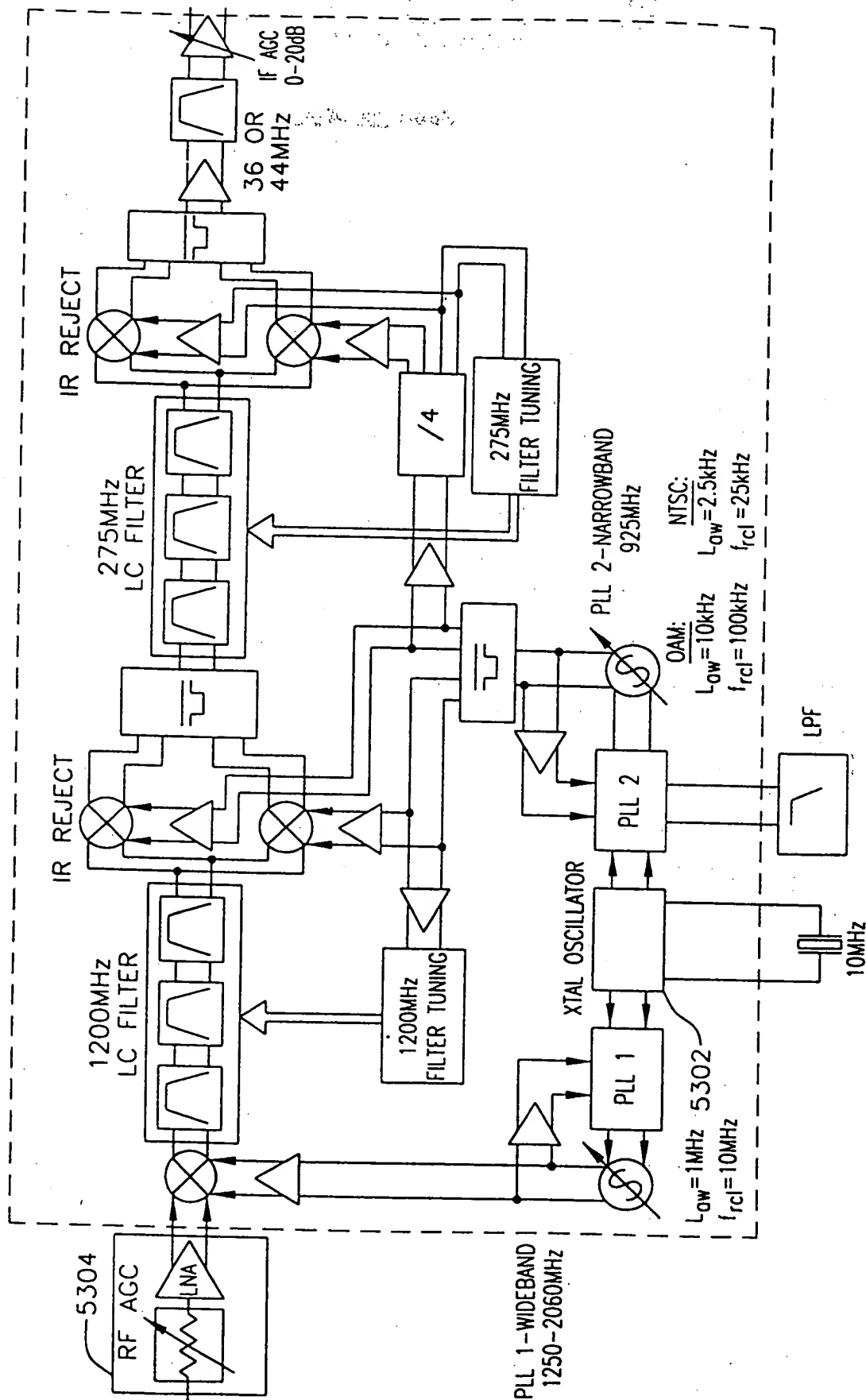


FIG. 53

CATV TUNER



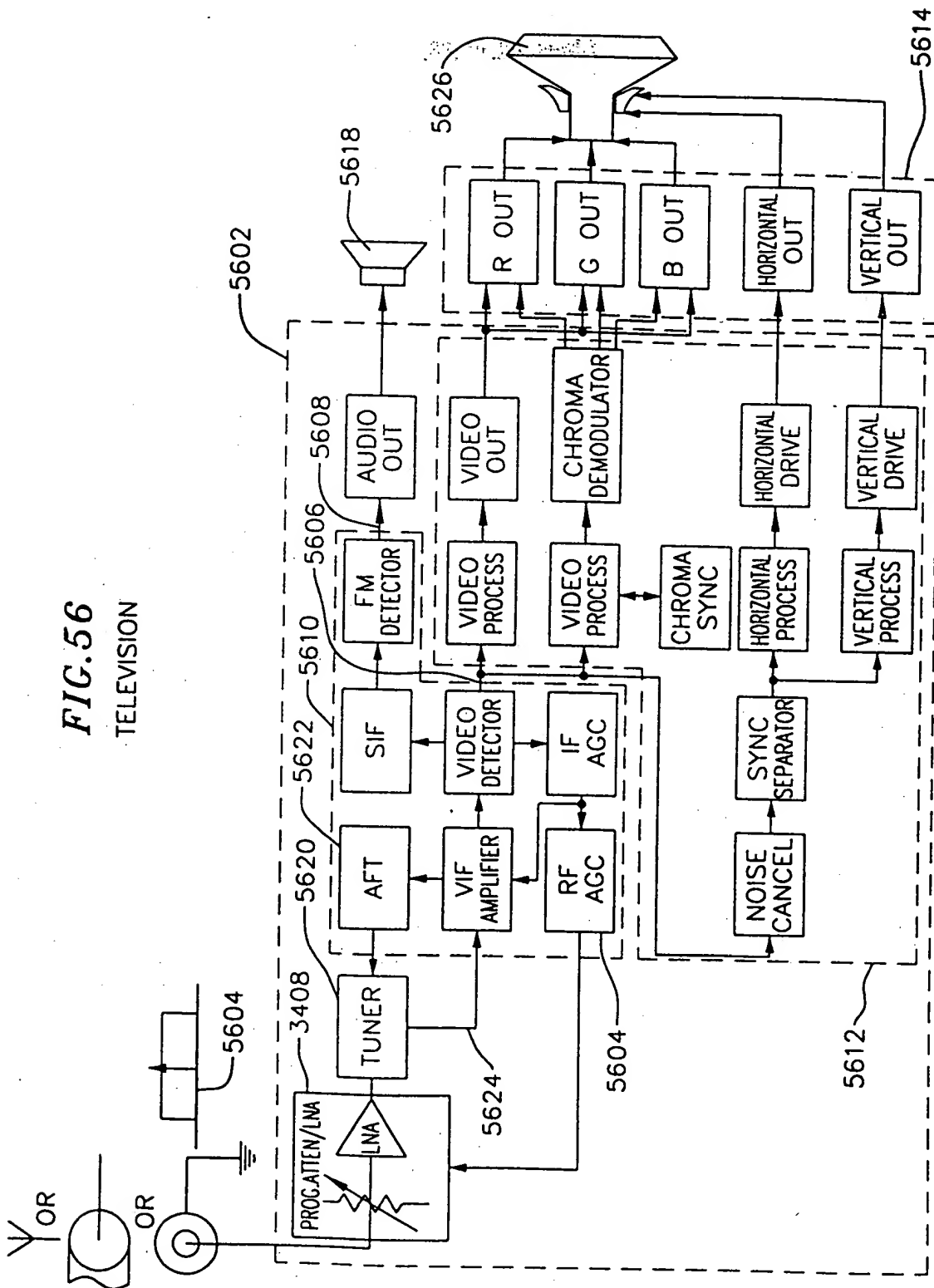


FIG. 57

VCR BLOCK DIAGRAM

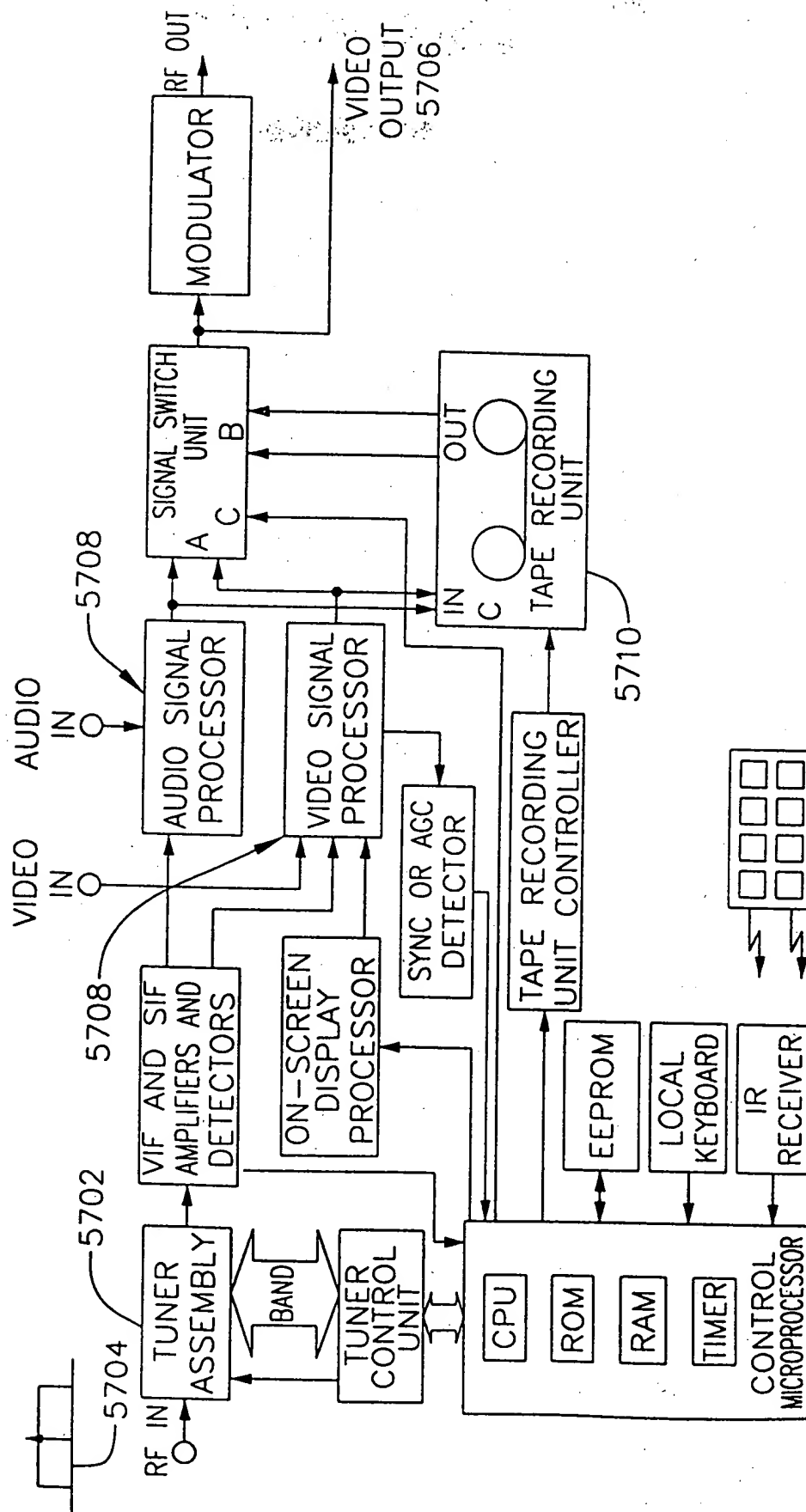
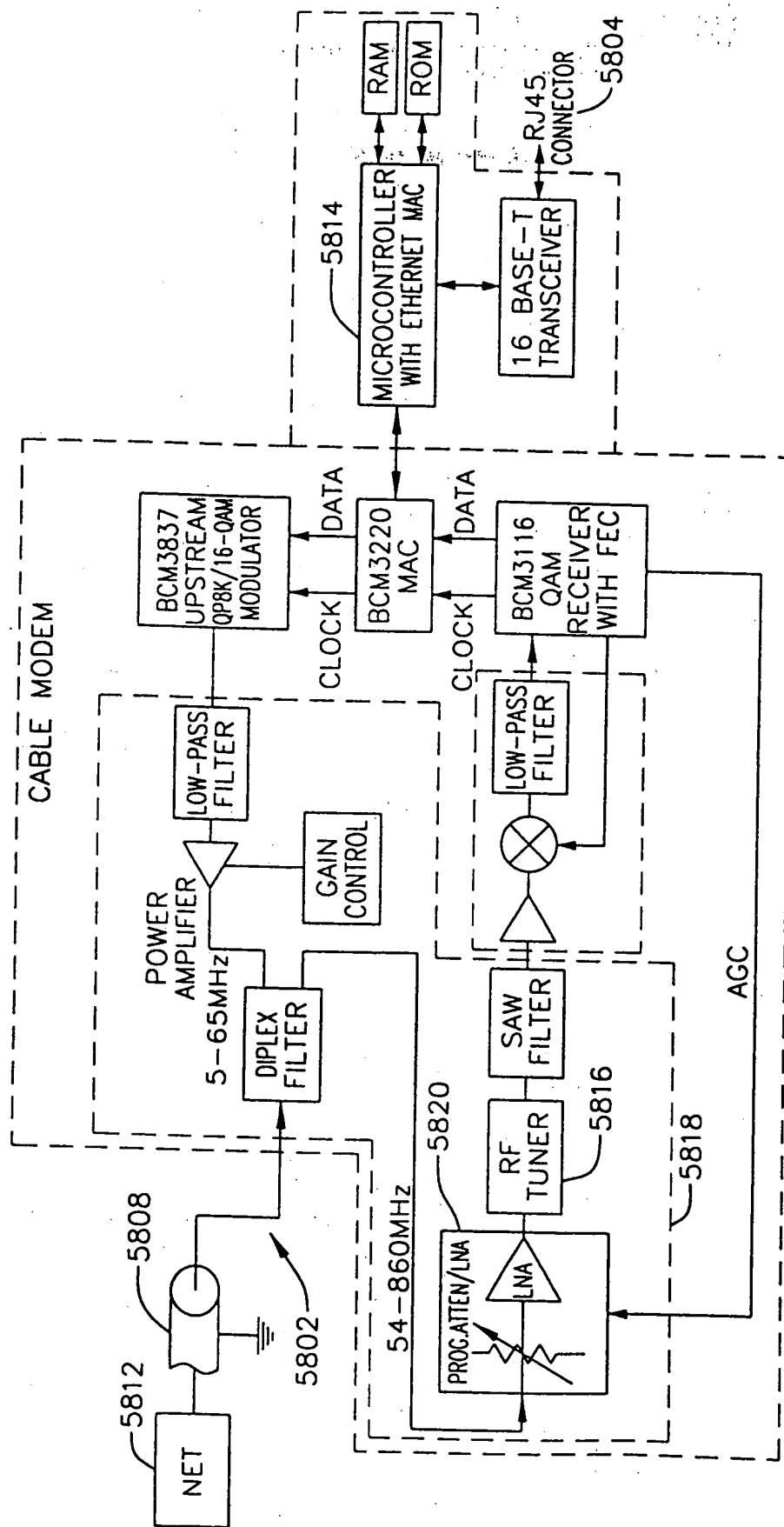


FIG. 58



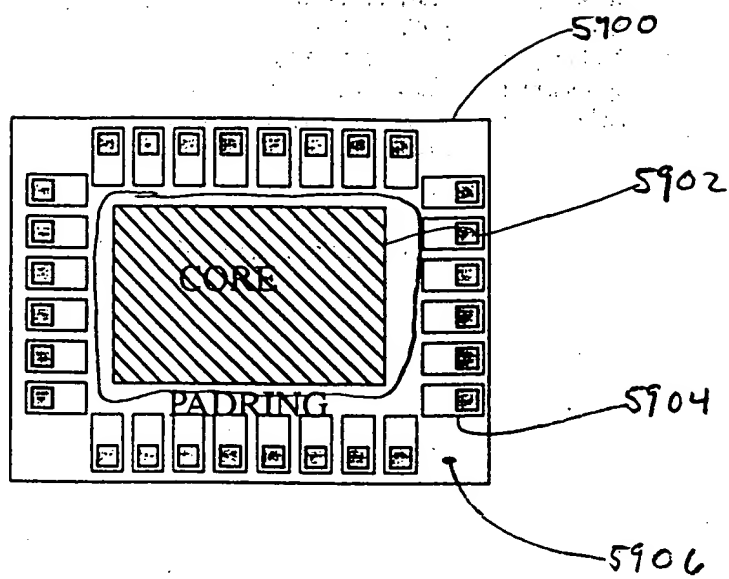


FIG 59

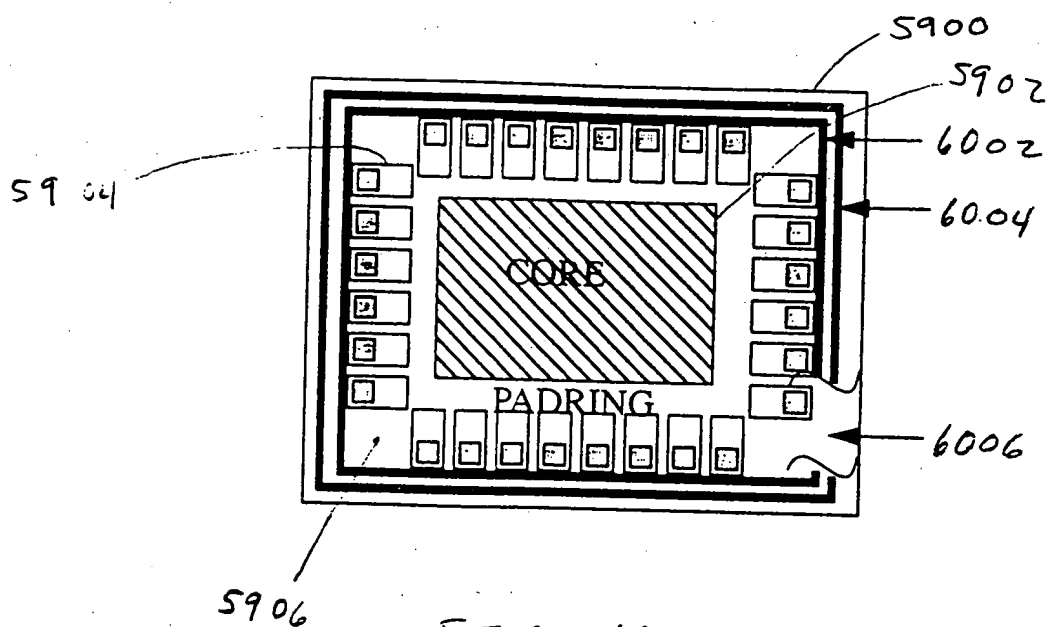
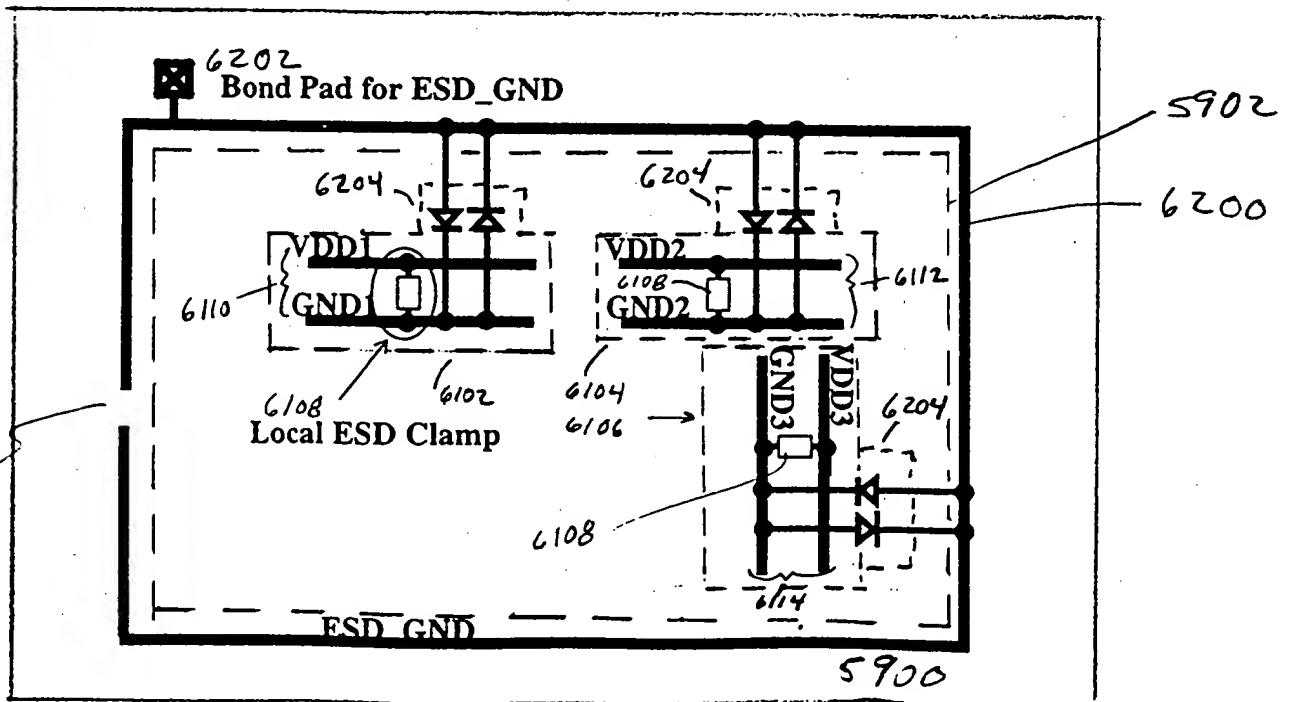
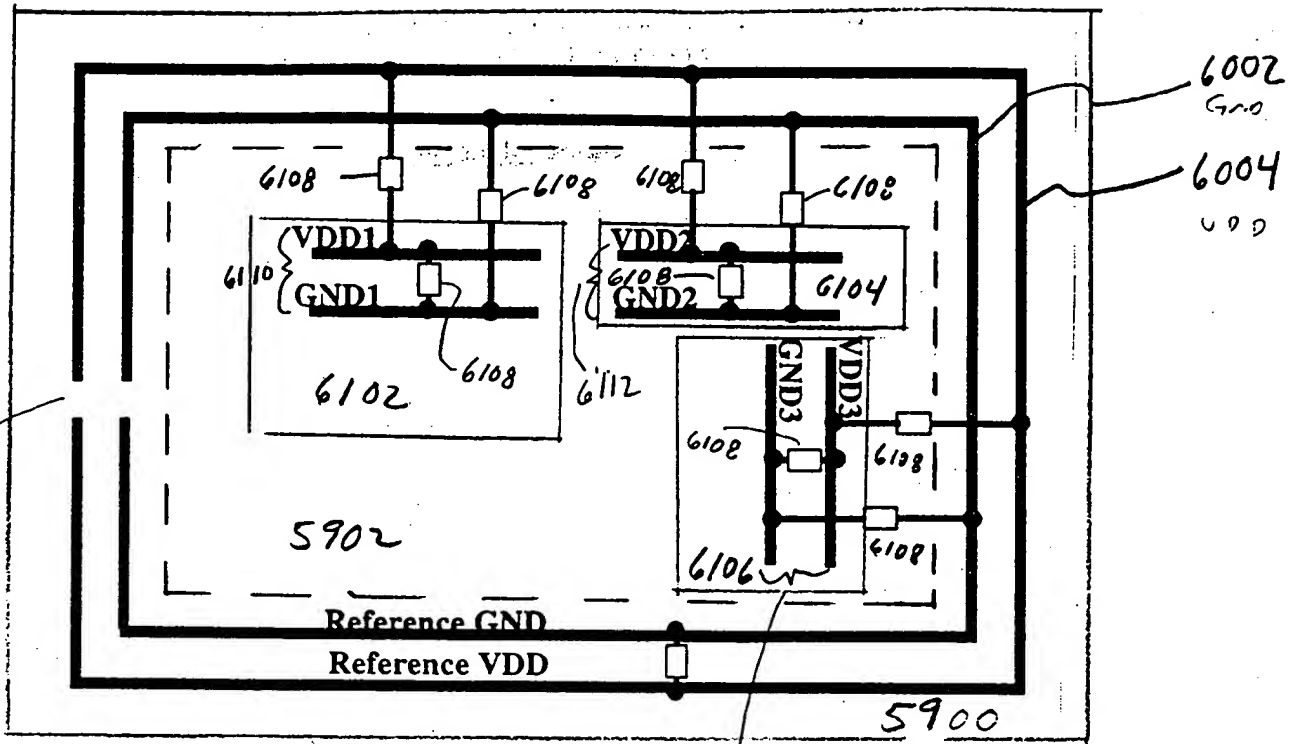


FIG 60



000000-000000

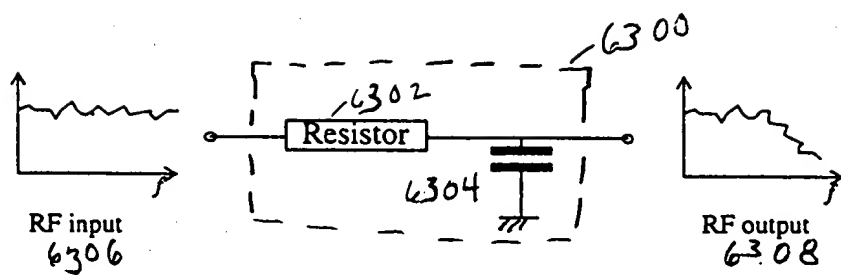


FIG 63

00000-000000

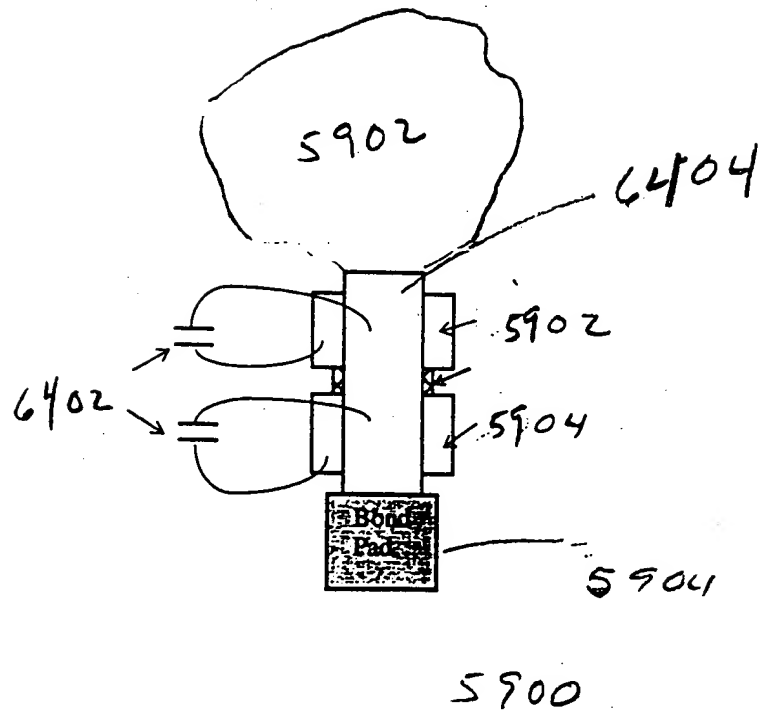


FIG 64

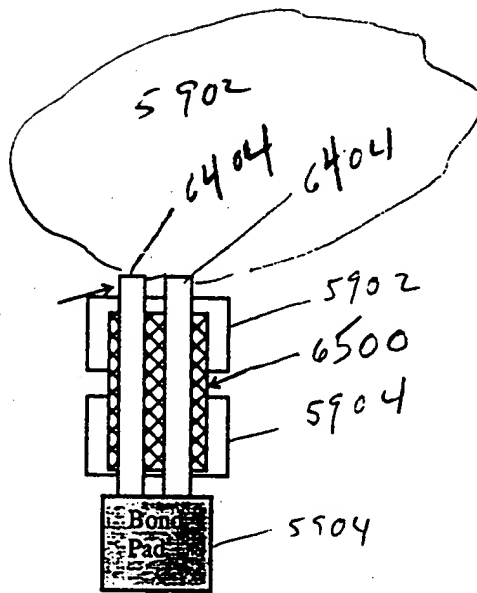


FIG 65

[illegible]

FJH-66

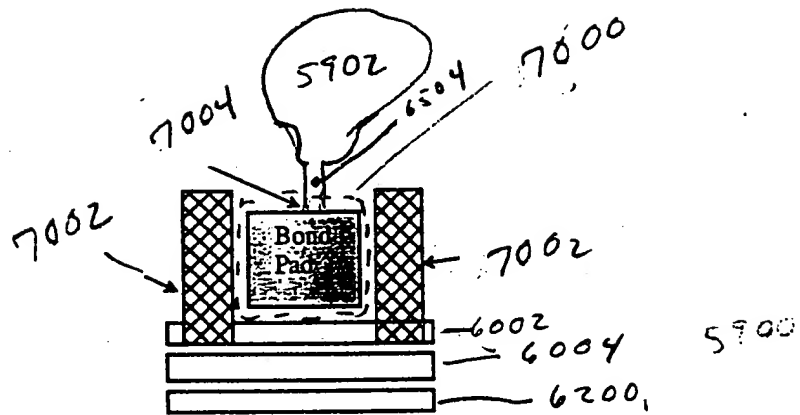
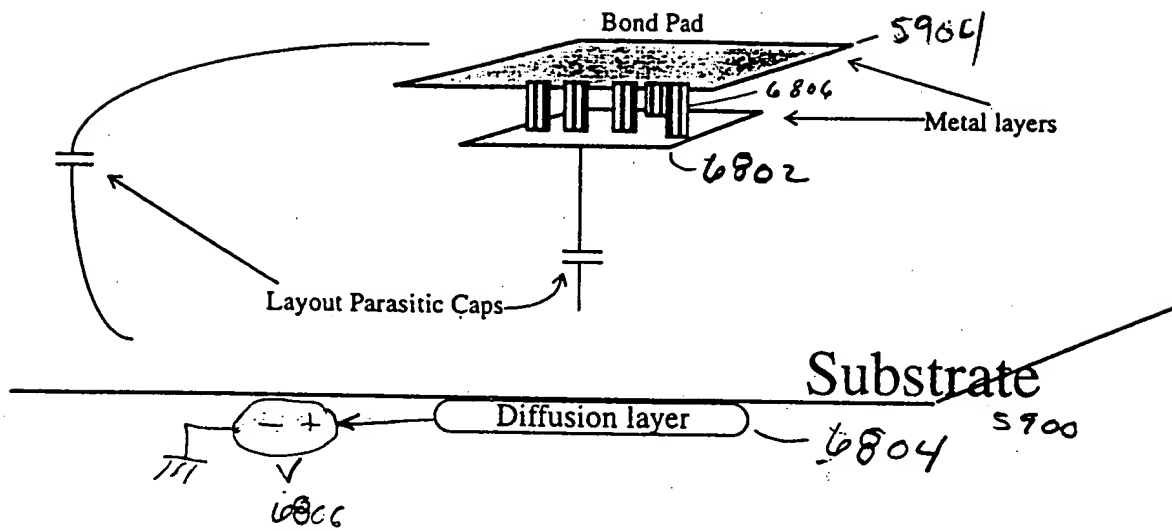
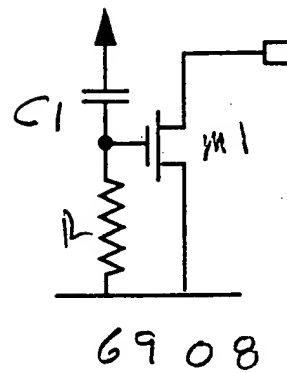
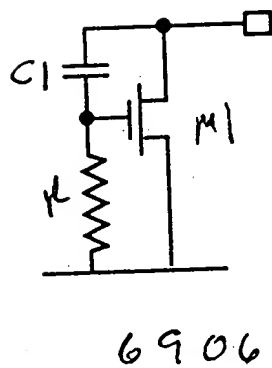
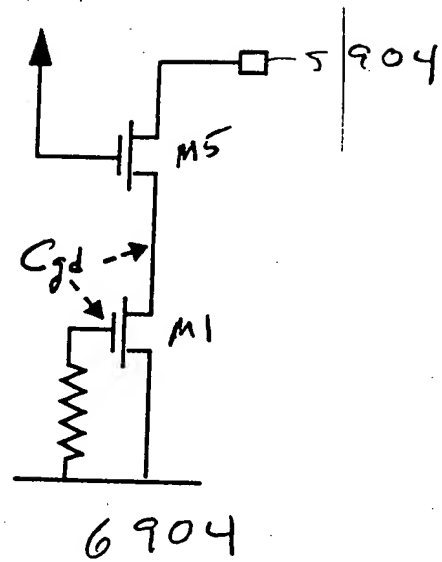
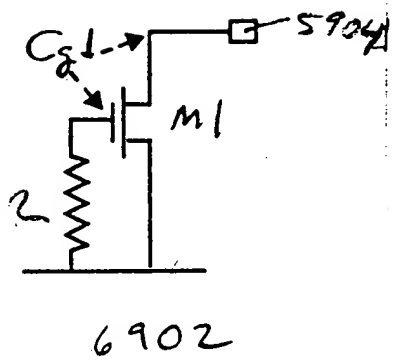


FIG. 67



000000-04000



PRIOR
ART

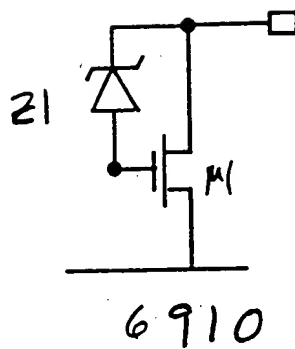


FIG 69

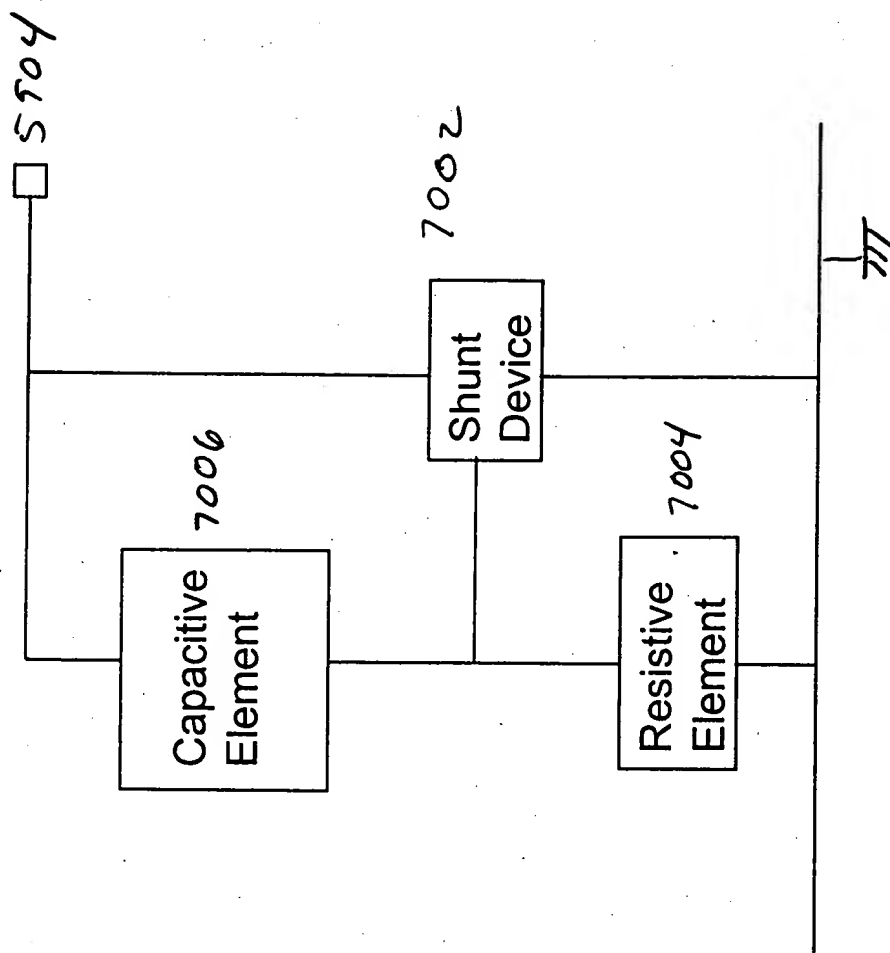


FIG. 70

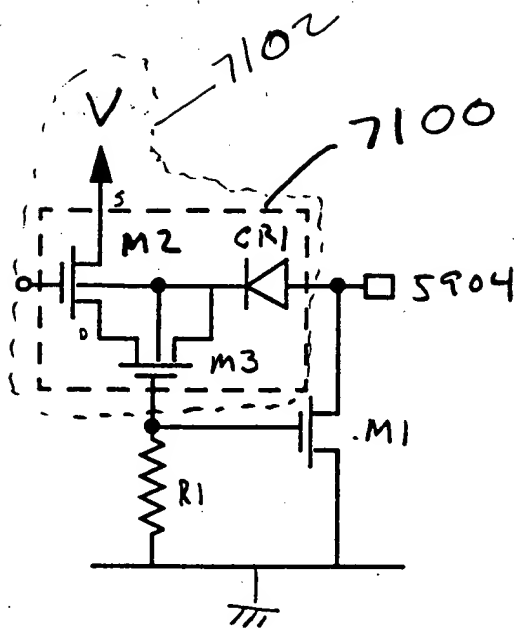


FIG. 71

FIG. 72

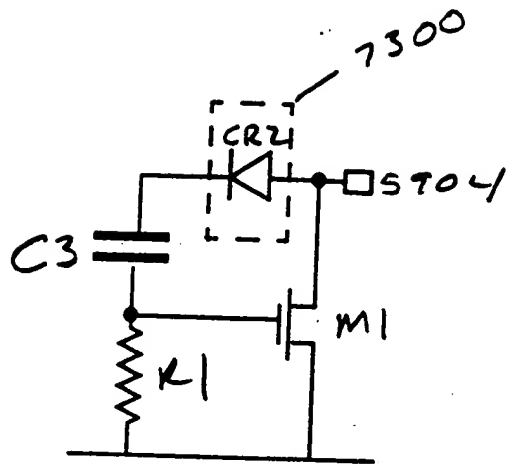


FIG. 73

00000-000000